

# PATENT ASSIGNMENT COVER SHEET

Electronic Version v1.1 Stylesheet Version v1.2 EPAS ID: PAT4610125

SUBMISSION TYPE:	NEW ASSIGNMENT
NATURE OF CONVEYANCE:	ASSIGNMENT

## **CONVEYING PARTY DATA**

Name	Execution Date
ALCATEL LUCENT	07/22/2017

## **RECEIVING PARTY DATA**

Name:	WSOU INVESTMENTS, LLC	
Street Address:	11150 SANTA MONICA BLVD.	
Internal Address:	SUITE 1400	
City:	LOS ANGELES	
State/Country:	CALIFORNIA	
Postal Code:	90025	

### **PROPERTY NUMBERS Total: 2979**

Property Type	Number
Application Number:	08901774
Application Number:	08901775
Application Number:	08902686
Application Number:	08940221
Application Number:	08925509
Application Number:	09050153
Application Number:	08900994
Application Number:	08926841
Application Number:	08938402
Application Number:	08998249
Application Number:	08890898
Application Number:	08906366
Application Number:	08942992
Application Number:	08962181
Application Number:	08969663
Application Number:	08960689
Application Number:	08888227
Application Number:	08969068
Application Number:	08972547

PATENT REEL: 044000 FRAME: 0053

504563414

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Property Type	Number
Application Number:	08996893
Application Number:	09001622
Application Number:	08900757
Application Number:	08929246
Application Number:	09008726
Application Number:	09013582
Application Number:	08901996
Application Number:	09162697
Application Number:	08885580
Application Number:	08931553
Application Number:	09063505
Application Number:	08886828
Application Number:	08910948
Application Number:	08920279
Application Number:	08929022
Application Number:	08961862
Application Number:	08988348
Application Number:	08999007
Application Number:	08987994
Application Number:	08915244
Application Number:	08932001
Application Number:	08959933
Application Number:	09069333
Application Number:	08988340
Application Number:	08977878
Application Number:	08989952
Application Number:	09063719
Application Number:	08935362
Application Number:	08998440
Application Number:	09010365
Application Number:	09013665
Application Number:	09102219
Application Number:	08987949
Application Number:	08899423
Application Number:	08919828
Application Number:	08935585
Application Number:	08953120
Application Number:	08976758

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Property Type	Number
Application Number:	08984791
Application Number:	09109255
Application Number:	08902055
Application Number:	09006534
Application Number:	08941462
Application Number:	08944623
Application Number:	08960642
Application Number:	08950638
Application Number:	09053469
Application Number:	09075551
Application Number:	08939456
Application Number:	08960174
Application Number:	08988565
Application Number:	08991106
Application Number:	09108336
Application Number:	09075480
Application Number:	08920716
Application Number:	08928283
Application Number:	08941555
Application Number:	08964340
Application Number:	09036902
Application Number:	09061462
Application Number:	08906817
Application Number:	08936416
Application Number:	08940833
Application Number:	08980240
Application Number:	09024603
Application Number:	08937126
Application Number:	08947598
Application Number:	08956221
Application Number:	08957953
Application Number:	08986226
Application Number:	09008224
Application Number:	09054006
Application Number:	09137906
Application Number:	09217637
Application Number:	08891259
Application Number:	08929710

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Property Type	Number
Application Number:	09014121
Application Number:	09190521
Application Number:	08887287
Application Number:	08897457
Application Number:	08959354
Application Number:	08974951
Application Number:	08989533
Application Number:	09268917
Application Number:	08994830
Application Number:	09062554
Application Number:	09164153
Application Number:	09170856
Application Number:	08921673
Application Number:	08953571
Application Number:	08958496
Application Number:	09006539
Application Number:	09048384
Application Number:	09062377
Application Number:	08887359
Application Number:	08902447
Application Number:	08918216
Application Number:	08921676
Application Number:	08928372
Application Number:	09005454
Application Number:	09024841
Application Number:	09026856
Application Number:	09027708
Application Number:	08924473
Application Number:	08946469
Application Number:	08966423
Application Number:	08979018
Application Number:	08993792
Application Number:	09020721
Application Number:	09158593
Application Number:	09204506
Application Number:	09215724
Application Number:	09166060
Application Number:	09016176

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Property Type	Number
Application Number:	08919825
Application Number:	08938438
Application Number:	08942526
Application Number:	09127475
Application Number:	08902557
Application Number:	08931532
Application Number:	08955685
Application Number:	08993436
Application Number:	09162486
Application Number:	09197651
Application Number:	08948708
Application Number:	08960569
Application Number:	09020520
Application Number:	09030153
Application Number:	09124272
Application Number:	08986293
Application Number:	08975901
Application Number:	08998354
Application Number:	08885470
Application Number:	08920993
Application Number:	08929926
Application Number:	08939452
Application Number:	08960201
Application Number:	09140454
Application Number:	09267290
Application Number:	08895065
Application Number:	08922856
Application Number:	08937673
Application Number:	09024411
Application Number:	08987820
Application Number:	08884690
Application Number:	08985302
Application Number:	09028811
Application Number:	09184745
Application Number:	08928307
Application Number:	08956445
Application Number:	08990332
Application Number:	09081751

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Property Type	Number
Application Number:	09092246
Application Number:	08948161
Application Number:	09001321
Application Number:	09012866
Application Number:	09024724
Application Number:	09070058
Application Number:	08940476
Application Number:	09037218
Application Number:	09075479
Application Number:	09201692
Application Number:	08963791
Application Number:	08886199
Application Number:	08923304
Application Number:	08943436
Application Number:	08985387
Application Number:	09044658
Application Number:	09089863
Application Number:	09158670
Application Number:	08987030
Application Number:	09021420
Application Number:	09032056
Application Number:	09037091
Application Number:	09083415
Application Number:	09084081
Application Number:	09102177
Application Number:	09144018
Application Number:	08912039
Application Number:	08935228
Application Number:	08999012
Application Number:	08940369
Application Number:	08940251
Application Number:	08993682
Application Number:	09063560
Application Number:	09172480
Application Number:	08964597
Application Number:	08992373
Application Number:	09002192
Application Number:	09003767

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Property Type	Number
Application Number:	09115782
Application Number:	09143657
Application Number:	08921675
Application Number:	08940754
Application Number:	09002195
Application Number:	09057029
Application Number:	09096921
Application Number:	09160932
Application Number:	09205473
Application Number:	09001617
Application Number:	09087064
Application Number:	09123085
Application Number:	09156929
Application Number:	09160749
Application Number:	09161110
Application Number:	09215828
Application Number:	08953873
Application Number:	09001318
Application Number:	09144245
Application Number:	08911650
Application Number:	08959580
Application Number:	08849450
Application Number:	08959362
Application Number:	08991795
Application Number:	09014174
Application Number:	09020351
Application Number:	09208192
Application Number:	08909978
Application Number:	08920250
Application Number:	08969427
Application Number:	08968554
Application Number:	09052671
Application Number:	09094171
Application Number:	09119551
Application Number:	09017651
Application Number:	09097496
Application Number:	09151365
Application Number:	09247678

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Property Type	Number
Application Number:	09165462
Application Number:	08170619
Application Number:	08960013
Application Number:	08993288
Application Number:	09163944
Application Number:	08914132
Application Number:	08923480
Application Number:	08961122
Application Number:	08991674
Application Number:	09348112
Application Number:	08970588
Application Number:	09048443
Application Number:	09132339
Application Number:	08165143
Application Number:	08920779
Application Number:	08934955
Application Number:	08961736
Application Number:	09002141
Application Number:	09145619
Application Number:	08918544
Application Number:	09022327
Application Number:	09090082
Application Number:	09102850
Application Number:	09109506
Application Number:	09174363
Application Number:	09273143
Application Number:	08960326
Application Number:	08994232
Application Number:	09024913
Application Number:	09131244
Application Number:	09206192
Application Number:	09252012
Application Number:	08903873
Application Number:	08989093
Application Number:	08989687
Application Number:	09001852
Application Number:	09028798
Application Number:	09055082

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Dronosty Type	Number
Property Type	Number
Application Number:	09082325
Application Number:	09201174
Application Number:	08923507
Application Number:	09162813
Application Number:	08885540
Application Number:	08928116
Application Number:	08949718
Application Number:	09035317
Application Number:	08944682
Application Number:	08961998
Application Number:	09002852
Application Number:	09327508
Application Number:	08923315
Application Number:	08953497
Application Number:	08988547
Application Number:	09002635
Application Number:	09209470
Application Number:	09378129
Application Number:	09023583
Application Number:	09059012
Application Number:	09108496
Application Number:	09418874
Application Number:	08924268
Application Number:	09096759
Application Number:	09069325
Application Number:	09141906
Application Number:	09196730
Application Number:	09257754
Application Number:	09302360
Application Number:	08959800
Application Number:	09006983
Application Number:	09137948
Application Number:	08991042
Application Number:	09109241
Application Number:	09162646
Application Number:	09209447
Application Number:	09209449
Application Number:	08937299

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Property Type	Number
Application Number:	09063795
Application Number:	09072858
Application Number:	08980321
Application Number:	09020206
Application Number:	09027055
Application Number:	09095237
Application Number:	09114499
Application Number:	09208054
Application Number:	09238837
Application Number:	09251547
Application Number:	08906216
Application Number:	09056590
Application Number:	09104525
Application Number:	08483886
Application Number:	09002982
Application Number:	09023425
Application Number:	09049256
Application Number:	09115690
Application Number:	09146464
Application Number:	09208196
Application Number:	08959809
Application Number:	09010617
Application Number:	09078761
Application Number:	09023063
Application Number:	09198660
Application Number:	09306062
Application Number:	08917344
Application Number:	08965182
Application Number:	09006694
Application Number:	09008255
Application Number:	09018982
Application Number:	09082026
Application Number:	09089155
Application Number:	09152886
Application Number:	09275332
Application Number:	09153983
Application Number:	09329687
Application Number:	09342145

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Dronosty Type	Number
Property Type	Number
Application Number:	09433334
Application Number:	09072147
Application Number:	09076511
Application Number:	09100826
Application Number:	09427421
Application Number:	08921677
Application Number:	08994529
Application Number:	08997715
Application Number:	09055481
Application Number:	09113634
Application Number:	09134296
Application Number:	09136257
Application Number:	09154135
Application Number:	09181728
Application Number:	09232114
Application Number:	08931567
Application Number:	09444471
Application Number:	09001182
Application Number:	09081515
Application Number:	09102195
Application Number:	09411112
Application Number:	09524600
Application Number:	09054207
Application Number:	09213930
Application Number:	09051816
Application Number:	08940321
Application Number:	08998213
Application Number:	09040748
Application Number:	09225508
Application Number:	08892855
Application Number:	08984779
Application Number:	08990289
Application Number:	09020555
Application Number:	09021582
Application Number:	09035213
Application Number:	09057274
Application Number:	09109029
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Property Type	Number
Application Number:	09447154
Application Number:	08993433
Application Number:	09033030
Application Number:	09065854
Application Number:	09249282
Application Number:	09304031
Application Number:	09050535
Application Number:	09227884
Application Number:	09302373
Application Number:	09320656
Application Number:	08960396
Application Number:	08961624
Application Number:	09045481
Application Number:	09087890
Application Number:	09097878
Application Number:	09098660
Application Number:	09177764
Application Number:	09188431
Application Number:	09328035
Application Number:	09006272
Application Number:	09026983
Application Number:	09138465
Application Number:	09036727
Application Number:	09052455
Application Number:	09124164
Application Number:	09127769
Application Number:	09144327
Application Number:	09199546
Application Number:	09265027
Application Number:	09301147
Application Number:	09313589
Application Number:	09352812
Application Number:	09363336
Application Number:	09370824
Application Number:	09212277
Application Number:	08938404
Application Number:	08987927
Application Number:	08994252

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Property Type	Number
Application Number:	09008623
Application Number:	09025465
Application Number:	09033985
Application Number:	09072813
Application Number:	09153719
Application Number:	09379151
Application Number:	08939417
Application Number:	08941683
Application Number:	09042833
Application Number:	09234562
Application Number:	09371513
Application Number:	09039699
Application Number:	09056499
Application Number:	09397031
Application Number:	08887180
Application Number:	09448266
Application Number:	09150997
Application Number:	09340565
Application Number:	08953877
Application Number:	09014040
Application Number:	09122520
Application Number:	09124125
Application Number:	09224589
Application Number:	09234025
Application Number:	09235435
Application Number:	09275616
Application Number:	09322936
Application Number:	09482837
Application Number:	08994245
Application Number:	08191234
Application Number:	09108155
Application Number:	09378687
Application Number:	08960463
Application Number:	09005737
Application Number:	09039086
Application Number:	09044636
Application Number:	09159366
Application Number:	09373077

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Property Type	Number
Application Number:	09232109
Application Number:	09298373
Application Number:	09453113
Application Number:	08999708
Application Number:	08974322
Application Number:	09020752
Application Number:	09573488
Application Number:	09139145
Application Number:	09177547
Application Number:	09107566
Application Number:	09107987
Application Number:	09108490
Application Number:	09159367
Application Number:	09010051
Application Number:	09107059
Application Number:	09140273
Application Number:	09161337
Application Number:	09172100
Application Number:	09199157
Application Number:	09318285
Application Number:	09013770
Application Number:	09049268
Application Number:	09059116
Application Number:	09337777
Application Number:	09102811
Application Number:	09467664
Application Number:	08944618
Application Number:	09059066
Application Number:	09107557
Application Number:	09152770
Application Number:	09160758
Application Number:	09167867
Application Number:	09187957
Application Number:	09201454
Application Number:	09327538
Application Number:	09396856
Application Number:	09015383
Application Number:	09017586

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Property Type	Number
Application Number:	09052182
Application Number:	09133459
Application Number:	09226827
Application Number:	09252453
Application Number:	09257708
Application Number:	09309943
Application Number:	08947693
Application Number:	09004117
Application Number:	09032055
Application Number:	09054206
Application Number:	09188493
Application Number:	09306033
Application Number:	09335816
Application Number:	09075566
Application Number:	09036141
Application Number:	09135935
Application Number:	09189257
Application Number:	09282821
Application Number:	09253410
Application Number:	09445273
Application Number:	09087412
Application Number:	08887765
Application Number:	09190908
Application Number:	09462237
Application Number:	09163614
Application Number:	09272494
Application Number:	09315484
Application Number:	09370531
Application Number:	09532143
Application Number:	08938304
Application Number:	09020315
Application Number:	09098218
Application Number:	09116864
Application Number:	09209221
Application Number:	09264918
Application Number:	09315630
Application Number:	09479831
Application Number:	09001066

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Property Type	Number
Property Type	Number
Application Number:	09001040
Application Number:	09019454
Application Number:	09110114
Application Number:	09188563
Application Number:	09377387
Application Number:	09450485
Application Number:	09024360
Application Number:	09057622
Application Number:	09112417
Application Number:	09115558
Application Number:	09150055
Application Number:	09224601
Application Number:	08994213
Application Number:	09045351
Application Number:	09055471
Application Number:	09057802
Application Number:	09059107
Application Number:	09089009
Application Number:	09097782
Application Number:	09108429
Application Number:	09213905
Application Number:	09280172
Application Number:	09436852
Application Number:	09482839
Application Number:	09496115
Application Number:	09524065
Application Number:	09246065
Application Number:	09416515
Application Number:	09108627
Application Number:	09211016
Application Number:	09246001
Application Number:	09425397
Application Number:	09450993
Application Number:	09054193
Application Number:	09090362
Application Number:	09136434
Application Number:	09438986
Application Number:	09438794

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Droposts Type	Number
Property Type	Number
Application Number:	08942789
Application Number:	09087840
Application Number:	09092122
Application Number:	09030554
Application Number:	09110673
Application Number:	08936495
Application Number:	09189184
Application Number:	09205813
Application Number:	09361733
Application Number:	09017644
Application Number:	09034829
Application Number:	09056141
Application Number:	09059507
Application Number:	09075303
Application Number:	09083797
Application Number:	09118198
Application Number:	09123179
Application Number:	09184620
Application Number:	09201034
Application Number:	09203096
Application Number:	09395041
Application Number:	09396948
Application Number:	09432775
Application Number:	09448237
Application Number:	09726182
Application Number:	08932867
Application Number:	09025537
Application Number:	09145433
Application Number:	09162911
Application Number:	09391018
Application Number:	09007771
Application Number:	09055204
Application Number:	09081969
Application Number:	09087098
Application Number:	07426485
Application Number:	09161875
Application Number:	09177197
Application Number:	09182032

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	No b a
Property Type	Number
Application Number:	09183720
Application Number:	09209405
Application Number:	09266958
Application Number:	09353386
Application Number:	09104264
Application Number:	09172460
Application Number:	09209472
Application Number:	09444318
Application Number:	08921175
Application Number:	09430550
Application Number:	09037847
Application Number:	09110110
Application Number:	09164496
Application Number:	09201515
Application Number:	09211892
Application Number:	08959794
Application Number:	09070608
Application Number:	09071471
Application Number:	09103921
Application Number:	09217503
Application Number:	09476024
Application Number:	09231279
Application Number:	09520828
Application Number:	09000664
Application Number:	09111597
Application Number:	09118553
Application Number:	09021833
Application Number:	09124874
Application Number:	09211582
Application Number:	09267451
Application Number:	09390204
Application Number:	09570101
Application Number:	09078037
Application Number:	09266339
Application Number:	08989466
Application Number:	09026361
Application Number:	09059837
Application Number:	09173158

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Property Type	Number
Application Number:	09184540
Application Number:	09197799
Application Number:	09477972
Application Number:	09395325
Application Number:	09510808
Application Number:	09562885
Application Number:	08906214
Application Number:	09115005
Application Number:	09121426
Application Number:	09146482
Application Number:	09181868
Application Number:	09218576
Application Number:	09259236
Application Number:	09290535
Application Number:	09054329
Application Number:	09070581
Application Number:	09072809
Application Number:	09092666
Application Number:	09099372
Application Number:	09126481
Application Number:	09186335
Application Number:	09356458
Application Number:	09448763
Application Number:	09063175
Application Number:	09083675
Application Number:	09098568
Application Number:	09114645
Application Number:	09198232
Application Number:	09236049
Application Number:	09292424
Application Number:	09412524
Application Number:	09087428
Application Number:	09087652
Application Number:	09144312
Application Number:	09163655
Application Number:	09186181
Application Number:	09371989
Application Number:	09444470

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Property Type	Number
Application Number:	09086197
Application Number:	08926497
Application Number:	09560914
Application Number:	09109827
Application Number:	09120380
Application Number:	09166551
Application Number:	09404059
Application Number:	09477834
Application Number:	09515950
Application Number:	09036143
Application Number:	09207663
Application Number:	09217710
Application Number:	09409631
Application Number:	09125316
Application Number:	09354821
Application Number:	09134469
Application Number:	09267367
Application Number:	09146122
Application Number:	09181810
Application Number:	09295010
Application Number:	09031035
Application Number:	09099896
Application Number:	09102175
Application Number:	09189821
Application Number:	09296574
Application Number:	09330526
Application Number:	08903626
Application Number:	09030488
Application Number:	09132032
Application Number:	09170057
Application Number:	09188465
Application Number:	09515229
Application Number:	09445272
Application Number:	09190743
Application Number:	09143416
Application Number:	09167186
Application Number:	09201312
Application Number:	09694388

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Du	Name to an
Property Type	Number
Application Number:	09318908
Application Number:	09352417
Application Number:	09363528
Application Number:	09560728
Application Number:	09119232
Application Number:	09128874
Application Number:	09131390
Application Number:	09138155
Application Number:	09197802
Application Number:	09203016
Application Number:	09211967
Application Number:	09221067
Application Number:	09244165
Application Number:	09266031
Application Number:	09273113
Application Number:	09310079
Application Number:	08992408
Application Number:	09067895
Application Number:	09126743
Application Number:	09154696
Application Number:	09346152
Application Number:	09515906
Application Number:	08932679
Application Number:	09112170
Application Number:	09239135
Application Number:	09567517
Application Number:	09588058
Application Number:	09651866
Application Number:	08975382
Application Number:	09047247
Application Number:	09052560
Application Number:	09058065
Application Number:	09088463
Application Number:	09131245
Application Number:	09206843
Application Number:	09255945
Application Number:	09345826
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#### <del>Case 6:20 ev 00482 ADA - Document 44 5 - Filed 11/04/20 - Page 23 of 23</del>9

Duanauha T	Missaalaass
Property Type	Number
Application Number:	09396862
Application Number:	09414915
Application Number:	09779392
Application Number:	09032166
Application Number:	09244827
Application Number:	09382853
Application Number:	09542096
Application Number:	09174894
Application Number:	09000663
Application Number:	09084119
Application Number:	09098151
Application Number:	09107152
Application Number:	09272664
Application Number:	09294485
Application Number:	09472909
Application Number:	09587345
Application Number:	08912186
Application Number:	09155901
Application Number:	09093583
Application Number:	09754959
Application Number:	09108775
Application Number:	09127045
Application Number:	09190307
Application Number:	09337229
Application Number:	09426858
Application Number:	09838019
Application Number:	08942472
Application Number:	09008047
Application Number:	09080769
Application Number:	09162751
Application Number:	09197403
Application Number:	09223376
Application Number:	09307012
Application Number:	09365930
Application Number:	09098896
Application Number:	09103925
Application Number:	09153605
Application Number:	09383701

#### <del>Case 6:20 ev 00482 ADA - Document 44 5 - Filed 11/04/20 - Page 24 of 239</del>

Property Type	Number
Application Number:	09757993
Application Number:	09090733
Application Number:	09104791
Application Number:	09264051
Application Number:	09272720
Application Number:	09288763
Application Number:	09295100
Application Number:	09298756
Application Number:	09490610
Application Number:	08938031
Application Number:	09050737
Application Number:	09075299
Application Number:	09093554
Application Number:	09131388
Application Number:	09161966
Application Number:	09190195
Application Number:	09218188
Application Number:	09228266
Application Number:	09338890
Application Number:	09390510
Application Number:	09436941
Application Number:	09440872
Application Number:	09505086
Application Number:	09553512
Application Number:	09849050
Application Number:	09159706
Application Number:	09196484
Application Number:	09200092
Application Number:	09272976
Application Number:	09318140
Application Number:	09378009
Application Number:	09394172
Application Number:	09397563
Application Number:	09418703
Application Number:	09431741
Application Number:	09532150
Application Number:	09535785
Application Number:	08982734

#### <del>Case 6:20 ev 00482 ADA - Document 44 5 - Filed 11/04/20 - Page 25 of 23(</del>

Property Type	Number
Property Type	09347786
Application Number:	
Application Number:	09356284
Application Number:	09483041
Application Number:	09584588
Application Number:	09035403
Application Number:	09187878
Application Number:	09209451
Application Number:	09315631
Application Number:	09342740
Application Number:	09496985
Application Number:	08938755
Application Number:	09022114
Application Number:	09157825
Application Number:	09182493
Application Number:	09236508
Application Number:	09369687
Application Number:	09471632
Application Number:	09515998
Application Number:	09594139
Application Number:	08911119
Application Number:	09177693
Application Number:	09181811
Application Number:	09201759
Application Number:	09425373
Application Number:	09461885
Application Number:	09699746
Application Number:	09703073
Application Number:	09697535
Application Number:	09122032
Application Number:	09236854
Application Number:	09248858
Application Number:	09356261
Application Number:	09997058
Application Number:	09488543
Application Number:	09067233
Application Number:	09138680
Application Number:	09240578
Application Number:	09277667

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Property Type	Number
Application Number:	09324207
Application Number:	09393535
Application Number:	09070350
Application Number:	09073131
Application Number:	09088604
Application Number:	09154225
Application Number:	09196489
Application Number:	09384602
Application Number:	08940781
Application Number:	09247704
Application Number:	09303372
Application Number:	09329235
Application Number:	09616120
Application Number:	09629404
Application Number:	09062764
Application Number:	09081469
Application Number:	09253190
Application Number:	09273557
Application Number:	09292397
Application Number:	09606957
Application Number:	09353898
Application Number:	09363674
Application Number:	09165484
Application Number:	08997341
Application Number:	09021319
Application Number:	09329324
Application Number:	09469584
Application Number:	08962174
Application Number:	09803860
Application Number:	09143417
Application Number:	09165157
Application Number:	09201497
Application Number:	09203066
Application Number:	09329689
Application Number:	09342809
Application Number:	09350160
Application Number:	09371385
Application Number:	09418795

#### <del>Case 6:20 ev 00482 ADA - Document 44 5 - Filed 11/04/20 - Page 27 of 23</del>9

	Number
Property Type	Number
Application Number:	09469583
Application Number:	09082786 09322941
Application Number:	
Application Number:	09368752
Application Number:	09437271
Application Number:	09440045
Application Number:	09577186
Application Number:	09230037
Application Number:	09156140
Application Number:	09198289
Application Number:	09241346
Application Number:	09295534
Application Number:	09928186
Application Number:	09064938
Application Number:	09146788
Application Number:	09226612
Application Number:	09283143
Application Number:	09396011
Application Number:	09428907
Application Number:	09461881
Application Number:	09464920
Application Number:	09676176
Application Number:	09805081
Application Number:	08885539
Application Number:	09074745
Application Number:	09276340
Application Number:	09054094
Application Number:	09122613
Application Number:	09382282
Application Number:	09425152
Application Number:	09662423
Application Number:	09707042
Application Number:	09277638
Application Number:	09307031
Application Number:	09430161
Application Number:	09753800
Application Number:	09137533
Application Number:	09141949

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Property Type	Number
Application Number:	09399571
Application Number:	09401136
Application Number:	09888879
Application Number:	09536976
Application Number:	09072368
Application Number:	09137400
Application Number:	09197222
Application Number:	09272659
Application Number:	09859591
Application Number:	09172101
Application Number:	09175063
Application Number:	09431785
Application Number:	09478227
Application Number:	09014043
Application Number:	09253259
Application Number:	09451070
Application Number:	09727565
Application Number:	09811004
Application Number:	09052918
Application Number:	09185807
Application Number:	09349263
Application Number:	09275147
Application Number:	08170111
Application Number:	09426331
Application Number:	09441437
Application Number:	09769024
Application Number:	09184101
Application Number:	10020346
Application Number:	09253879
Application Number:	09260047
Application Number:	09275677
Application Number:	09306836
Application Number:	09350431
Application Number:	09356816
Application Number:	09471925
Application Number:	09871093
Application Number:	09361430
Application Number:	09448749

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D	
Property Type	Number
Application Number:	09253309
Application Number:	09282894
Application Number:	09312747
Application Number:	09344583
Application Number:	09396938
Application Number:	09397208
Application Number:	09589528
Application Number:	09012512
Application Number:	09150403
Application Number:	09141996
Application Number:	09241992
Application Number:	09276339
Application Number:	09389080
Application Number:	09083129
Application Number:	09248462
Application Number:	09253274
Application Number:	09298309
Application Number:	09437959
Application Number:	09848135
Application Number:	09271728
Application Number:	09337865
Application Number:	09378362
Application Number:	09608364
Application Number:	09191012
Application Number:	09126916
Application Number:	09160087
Application Number:	09205512
Application Number:	09689552
Application Number:	09765417
Application Number:	08918996
Application Number:	09237522
Application Number:	09470202
Application Number:	09489321
Application Number:	09303352
Application Number:	09371165
Application Number:	09552773
Application Number:	09267280
Application Number:	09317118

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Property Type	Number
Application Number:	09590538
Application Number:	09652506
Application Number:	09841832
Application Number:	09230650
Application Number:	09139183
Application Number:	09294661
Application Number:	09304294
Application Number:	09375657
Application Number:	09483056
Application Number:	09246634
Application Number:	09259170
Application Number:	09298788
Application Number:	09363928
Application Number:	09369915
Application Number:	09461834
Application Number:	09548548
Application Number:	09653938
Application Number:	09798707
Application Number:	09753885
Application Number:	09102002
Application Number:	09316394
Application Number:	09455049
Application Number:	09542622
Application Number:	09180774
Application Number:	09054557
Application Number:	09093555
Application Number:	09397015
Application Number:	09470658
Application Number:	09691300
Application Number:	09115149
Application Number:	09158694
Application Number:	09352963
Application Number:	09360648
Application Number:	09409153
Application Number:	09450356
Application Number:	09733182
Application Number:	10026655
Application Number:	09186765

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Property Type	Number
Application Number:	09393747
Application Number:	09467429
Application Number:	09596454
Application Number:	08939353
Application Number:	09082214
Application Number:	09173793
Application Number:	09210019
Application Number:	09267998
Application Number:	09387571
Application Number:	09471641
Application Number:	09238888
Application Number:	09181815
Application Number:	09277361
Application Number:	09321075
Application Number:	09366619
Application Number:	09404892
Application Number:	09418702
Application Number:	09431792
Application Number:	09662995
Application Number:	09686236
Application Number:	09580775
Application Number:	09087068
Application Number:	09143189
Application Number:	09197073
Application Number:	09313358
Application Number:	09391713
Application Number:	09503036
Application Number:	09790837
Application Number:	09879476
Application Number:	09887826
Application Number:	09896777
Application Number:	09200442
Application Number:	09312524
Application Number:	09334017
Application Number:	09386587
Application Number:	09407876
Application Number:	09430510
Application Number:	10123475

#### <del>Case 6:20 ev 00482-ADA - Document 44-5 - Filed 11/04/20 - Page 32 of 23</del>9

Property Type	Number
Application Number:	09353716
Application Number:	09416545
Application Number:	09429467
Application Number:	10192569
Application Number:	08921189
Application Number:	09166609
Application Number:	09166676
Application Number:	09835613
Application Number:	09295458
Application Number:	09494267
Application Number:	09293296
Application Number:	09295570
Application Number:	09464832
Application Number:	09225991
Application Number:	09250845
Application Number:	09312711
Application Number:	09638330
Application Number:	09084072
Application Number:	09092495
Application Number:	09273433
Application Number:	09335334
Application Number:	09371529
Application Number:	09464452
Application Number:	09470480
Application Number:	09616845
Application Number:	09738223
Application Number:	09884511
Application Number:	10093922
Application Number:	09221944
Application Number:	09419471
Application Number:	09519067
Application Number:	09629757
Application Number:	09219230
Application Number:	09413259
Application Number:	09444154
Application Number:	10192242
Application Number:	09614018
Application Number:	09250345

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Property Type	Number
Application Number:	09333407
Application Number:	09427682
Application Number:	09664579
Application Number:	09238222
Application Number:	09383702
Application Number:	09790836
Application Number:	09073870
Application Number:	09111225
Application Number:	09347462
Application Number:	09366620
Application Number:	09374256
Application Number:	09565816
Application Number:	09148657
Application Number:	09222716
Application Number:	09611887
Application Number:	09789743
Application Number:	09041209
Application Number:	09148175
Application Number:	09346153
Application Number:	09353009
Application Number:	09461886
Application Number:	09519816
Application Number:	09691299
Application Number:	09774975
Application Number:	09027842
Application Number:	09266622
Application Number:	09291869
Application Number:	09450354
Application Number:	09533232
Application Number:	09105932
Application Number:	09661741
Application Number:	09447299
Application Number:	09447790
Application Number:	09331830
Application Number:	09438900
Application Number:	09445946
Application Number:	09260734
Application Number:	09311229

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Property Type	Number
	09479860
Application Number:	
Application Number:	09567371
Application Number:	09885168
Application Number:	09199850
Application Number:	09203631
Application Number:	10179460
Application Number:	09644166
Application Number:	08901304
Application Number:	09267548
Application Number:	09391316
Application Number:	09633668
Application Number:	09965043
Application Number:	10175459
Application Number:	09002481
Application Number:	09205963
Application Number:	09296409
Application Number:	09353596
Application Number:	09558425
Application Number:	09588908
Application Number:	09358390
Application Number:	09848134
Application Number:	09418524
Application Number:	09470141
Application Number:	09474415
Application Number:	09364904
Application Number:	09459045
Application Number:	09551041
Application Number:	09595782
Application Number:	09615122
Application Number:	08961901
Application Number:	09236989
Application Number:	09347165
Application Number:	09356510
Application Number:	09436766
Application Number:	09563602
Application Number:	09215241
Application Number:	09320628
Application Number:	09510807

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Property Type	Number
Application Number:	10162730
Application Number:	10029576
Application Number:	09131221
Application Number:	09273434
Application Number:	09306751
Application Number:	09321516
Application Number:	09407885
Application Number:	09659606
Application Number:	09285817
Application Number:	09607499
Application Number:	09309349
Application Number:	09407890
Application Number:	09853075
Application Number:	09967343
Application Number:	09368931
Application Number:	09514725
Application Number:	09524201
Application Number:	09362118
Application Number:	09391098
Application Number:	09564094
Application Number:	10016904
Application Number:	09414311
Application Number:	09265130
Application Number:	09364502
Application Number:	09520385
Application Number:	09544181
Application Number:	10200249
Application Number:	09418250
Application Number:	09488736
Application Number:	09680708
Application Number:	09879759
Application Number:	09099503
Application Number:	09143781
Application Number:	09169596
Application Number:	10264415
Application Number:	09418313
Application Number:	09473409
Application Number:	09330194

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D	
Property Type	Number
Application Number:	09339844
Application Number:	10075798
Application Number:	09642122
Application Number:	09430983
Application Number:	09444780
Application Number:	09726038
Application Number:	09495187
Application Number:	09528973
Application Number:	09587576
Application Number:	10128140
Application Number:	09034399
Application Number:	10101697
Application Number:	09422205
Application Number:	09628011
Application Number:	09740362
Application Number:	09824076
Application Number:	10150815
Application Number:	09344781
Application Number:	08906537
Application Number:	09124278
Application Number:	09687326
Application Number:	09760582
Application Number:	10267399
Application Number:	09588248
Application Number:	10303378
Application Number:	09415923
Application Number:	09465578
Application Number:	09596817
Application Number:	09809123
Application Number:	09313900
Application Number:	09444638
Application Number:	09459441
Application Number:	10032798
Application Number:	09464878
Application Number:	09526011
Application Number:	09656069
Application Number:	09314261
Application Number:	09316118

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Duran and a Tarra	N1
Property Type	Number
Application Number:	09370826
Application Number:	09409573
Application Number:	09539362
Application Number:	09697281
Application Number:	10180824
Application Number:	09313981
Application Number:	09356387
Application Number:	09537330
Application Number:	09614434
Application Number:	09708801
Application Number:	09637501
Application Number:	10050014
Application Number:	10188687
Application Number:	09504548
Application Number:	09526690
Application Number:	09551493
Application Number:	09610631
Application Number:	10081326
Application Number:	09176707
Application Number:	09793120
Application Number:	09380496
Application Number:	09565528
Application Number:	09262531
Application Number:	09448070
Application Number:	09578071
Application Number:	09371112
Application Number:	09861840
Application Number:	10326346
Application Number:	09288368
Application Number:	09386729
Application Number:	09592338
Application Number:	09757576
Application Number:	09203932
Application Number:	09565388
Application Number:	09295392
Application Number:	09451327
Application Number:	09500191
Application Number:	09556250

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Property Type	Number
Application Number:	10006175
Application Number:	10144477
Application Number:	09537791
Application Number:	09755613
Application Number:	09642559
Application Number:	09217655
Application Number:	09443453
Application Number:	09862051
Application Number:	09087331
Application Number:	09135191
Application Number:	09839127
Application Number:	09444091
Application Number:	09473809
Application Number:	09524337
Application Number:	09664646
Application Number:	10034450
Application Number:	10097583
Application Number:	10053469
Application Number:	10255465
Application Number:	09041683
Application Number:	09368381
Application Number:	09589304
Application Number:	09781862
Application Number:	10318035
Application Number:	09321483
Application Number:	09103021
Application Number:	09143878
Application Number:	09361317
Application Number:	09364724
Application Number:	09710269
Application Number:	09848897
Application Number:	10158709
Application Number:	10246843
Application Number:	09343179
Application Number:	09917669
Application Number:	10192549
Application Number:	09432749
Application Number:	09454930

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Property Type	Number
Application Number:	09511145
Application Number:	09624561
Application Number:	09805094
Application Number:	09979812
Application Number:	10087863
Application Number:	09440690
Application Number:	09658516
Application Number:	09671924
Application Number:	09797118
Application Number:	09527594
Application Number:	09883220
Application Number:	09836342
Application Number:	09690153
Application Number:	10320509
Application Number:	10426900
Application Number:	09511258
Application Number:	09655249
Application Number:	10132010
Application Number:	10225645
Application Number:	09731708
Application Number:	10448586
Application Number:	10628699
Application Number:	09074582
Application Number:	09643459
Application Number:	09810694
Application Number:	09825691
Application Number:	09318385
Application Number:	09342912
Application Number:	09396058
Application Number:	09655250
Application Number:	10180842
Application Number:	09261735
Application Number:	09570617
Application Number:	09845139
Application Number:	09584325
Application Number:	10050013
Application Number:	10299132
Application Number:	10306811

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Property Type	Number
Application Number:	09362117
Application Number:	09707694
Application Number:	09711563
Application Number:	09828985
Application Number:	10098127
Application Number:	09738344
Application Number:	10706249
Application Number:	29143225
Application Number:	09368985
Application Number:	09443463
Application Number:	09569488
Application Number:	09766079
Application Number:	09873696
Application Number:	10762976
Application Number:	10103922
Application Number:	09658515
Application Number:	09755243
Application Number:	09892180
Application Number:	10156152
Application Number:	09541411
Application Number:	10119517
Application Number:	10213278
Application Number:	10135216
Application Number:	10231614
Application Number:	09899151
Application Number:	10273858
Application Number:	10440222
Application Number:	09547141
Application Number:	10348954
Application Number:	09312793
Application Number:	09573759
Application Number:	10168358
Application Number:	09846972
Application Number:	09618196
Application Number:	09398500
Application Number:	09466485
Application Number:	09507270
Application Number:	10393306

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Property Type	Number
Application Number:	10626597
Application Number:	09533396
Application Number:	09809260
Application Number:	09614436
Application Number:	09871266
Application Number:	09500869
Application Number:	09734148
Application Number:	10188942
Application Number:	09795246
Application Number:	10410931
Application Number:	10115828
Application Number:	10357646
Application Number:	09440200
Application Number:	09516267
Application Number:	09587524
Application Number:	09831421
Application Number:	09781864
Application Number:	10046836
Application Number:	09677061
Application Number:	09591471
Application Number:	09663355
Application Number:	09511256
Application Number:	09565530
Application Number:	09879937
Application Number:	09873828
Application Number:	09686024
Application Number:	10158807
Application Number:	10261085
Application Number:	09550867
Application Number:	09477910
Application Number:	09788900
Application Number:	09803301
Application Number:	09795189
Application Number:	09732748
Application Number:	09593184
Application Number:	09773176
Application Number:	09364308
Application Number:	10095820

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	Number
Property Type	Number
Application Number:	09795192
Application Number:	10223789
Application Number:	10650199
Application Number:	10383911
Application Number:	09410249
Application Number:	09638941
Application Number:	10448511
Application Number:	10025868
Application Number:	09595347
Application Number:	09127767
Application Number:	09729177
Application Number:	10290195
Application Number:	08940760
Application Number:	09166343
Application Number:	09861740
Application Number:	09845488
Application Number:	09865065
Application Number:	10093847
Application Number:	09877900
Application Number:	09916011
Application Number:	10681220
Application Number:	09918947
Application Number:	09487946
Application Number:	09826686
Application Number:	10478859
Application Number:	10396185
Application Number:	09928628
Application Number:	10636664
Application Number:	10389067
Application Number:	10441457
Application Number:	09853388
Application Number:	09365784
Application Number:	09741074
Application Number:	09799369
Application Number:	10079447
Application Number:	10026435
Application Number:	09461876
Application Number:	10095625

# <del>Case 6:20 ev 90482 ADA - Document 44 5 - Filed 11/94/20 - Page 43 of 23</del>9

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Property Type	Number
Application Number:	10084788
Application Number:	09602037
Application Number:	09902579
Application Number:	09936038
Application Number:	09666388
Application Number:	09679138
Application Number:	09713179
Application Number:	09902847
Application Number:	10449178
Application Number:	09747911
Application Number:	09450934
Application Number:	09812401
Application Number:	09867935
Application Number:	09441693
Application Number:	09801693
Application Number:	09729900
Application Number:	10700703
Application Number:	10243748
Application Number:	09368380
Application Number:	10027723
Application Number:	09591472
Application Number:	09713129
Application Number:	09961773
Application Number:	09384699
Application Number:	09500387
Application Number:	09352404
Application Number:	09163396
Application Number:	09328657
Application Number:	09426791
Application Number:	10027200
Application Number:	09966588
Application Number:	09166144
Application Number:	09327347
Application Number:	09534737
Application Number:	09191708
Application Number:	10403872
Application Number:	09809953
Application Number:	09650850

# <del>Case 6:20 ev 00482-ADA - Document 44-5 - Filed 11/04/20 - Page 44 of 239</del>

Property Type	Number
Application Number:	09933062
Application Number:	10086507
Application Number:	09608406
Application Number:	09652116
Application Number:	10320290
Application Number:	09528572
Application Number:	10810372
Application Number:	09604152
Application Number:	09776322
Application Number:	09136678
Application Number:	09315628
Application Number:	09450054
Application Number:	09469670
Application Number:	09488181
Application Number:	10069687
Application Number:	09969785
Application Number:	09348575
Application Number:	09452198
Application Number:	09577515
Application Number:	09599194
Application Number:	10004441
Application Number:	10741491
Application Number:	09985696
Application Number:	10120435
Application Number:	09981887
Application Number:	09910037
Application Number:	10829180
Application Number:	09919023
Application Number:	10440247
Application Number:	10954460
Application Number:	10112574
Application Number:	09324454
Application Number:	09936102
Application Number:	09520677
Application Number:	10769713
Application Number:	09590251
Application Number:	10712357
Application Number:	09471920

# <del>Case 6:20 ev 90482 ADA - Document 44 5 - Filed 11/94/20 - Page 45 of 23</del>9

Dramauty Trees	Ni rus la a r
Property Type	Number
Application Number:	09750058
Application Number:	09716272
Application Number:	10219343
Application Number:	10023758
Application Number:	09635800
Application Number:	10342530
Application Number:	10783306
Application Number:	10736002
Application Number:	09188815
Application Number:	09990468
Application Number:	09741637
Application Number:	09664565
Application Number:	09716105
Application Number:	09675310
Application Number:	09827847
Application Number:	09523615
Application Number:	10639824
Application Number:	10321027
Application Number:	10617212
Application Number:	10662380
Application Number:	10657846
Application Number:	09154966
Application Number:	10395956
Application Number:	10025685
Application Number:	10025872
Application Number:	10081423
Application Number:	09873683
Application Number:	09910601
Application Number:	10259111
Application Number:	10811291
Application Number:	09879175
Application Number:	09724231
Application Number:	09791201
Application Number:	09825397
Application Number:	10810808
Application Number:	10260873
Application Number:	09373240
	10191135

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Property Type	Number
Application Number:	09985243
Application Number:	09910811
Application Number:	10320247
Application Number:	10448824
Application Number:	09925738
Application Number:	10152645
Application Number:	09170835
Application Number:	09668243
Application Number:	09990366
Application Number:	09736158
Application Number:	10607968
Application Number:	10954033
Application Number:	09353460
Application Number:	09449649
Application Number:	09667709
Application Number:	09781851
Application Number:	09808934
Application Number:	10671482
Application Number:	09934851
Application Number:	09862140
Application Number:	09783842
Application Number:	10003883
Application Number:	09921109
Application Number:	10910027
Application Number:	11217625
Application Number:	10827274
Application Number:	09328607
Application Number:	10443058
Application Number:	10121654
Application Number:	09782359
Application Number:	09758958
Application Number:	09810251
Application Number:	09393949
Application Number:	09737370
Application Number:	09734057
Application Number:	09850124
Application Number:	10659757
Application Number:	10153824
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# <del>Case 6:20 ev 00482-ADA - Document 44-5 - Filed 11/04/20 - Page 47 of 23</del>9

Property Type	Number
Application Number:	10436730
Application Number:	09384422
Application Number:	10699091
Application Number:	10331217
Application Number:	09561857
Application Number:	09659363
Application Number:	09717513
Application Number:	09808376
Application Number:	10042594
Application Number:	09352562
Application Number:	10100521
Application Number:	10813951
Application Number:	10260621
Application Number:	10256882
Application Number:	09107919
Application Number:	09788959
Application Number:	09851898
Application Number:	10154746
Application Number:	09936101
Application Number:	09702963
Application Number:	09407878
Application Number:	10099874
Application Number:	09595719
Application Number:	10117513
Application Number:	10631649
Application Number:	10413962
Application Number:	10122506
Application Number:	10660117
Application Number:	10739158
Application Number:	10251954
Application Number:	09165735
Application Number:	09349571
Application Number:	10491147
Application Number:	09332264
Application Number:	09894797
Application Number:	10020660
Application Number:	10504021
Application Number:	10919617

# <del>Case 6:20 ev-00482-ADA - Document 44-5 - Filed 11/04/20 - Page 48 of 239</del>

Droporty Type	Numbar
Property Type	Number
Application Number:	10668539
Application Number:	10153390
Application Number:	10601491
Application Number:	10028286
Application Number:	10260088
Application Number:	09588490
Application Number:	10445414
Application Number:	10081352
Application Number:	10305584
Application Number:	10831711
Application Number:	10774224
Application Number:	09800684
Application Number:	10010582
Application Number:	10101958
Application Number:	09273948
Application Number:	09770135
Application Number:	10285437
Application Number:	10186418
Application Number:	10818030
Application Number:	10372845
Application Number:	10081311
Application Number:	10825120
Application Number:	10027761
Application Number:	10158815
Application Number:	11096022
Application Number:	10128183
Application Number:	10317447
Application Number:	10101322
Application Number:	10816354
Application Number:	10115900
Application Number:	10090748
Application Number:	10758849
Application Number:	09511265
Application Number:	10180240
Application Number:	09249312
Application Number:	10155377
Application Number:	10699530
Application Number:	09535206

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Property Type	Number
Application Number:	09677919
Application Number:	10385320
Application Number:	10200627
Application Number:	10351948
Application Number:	10163140
Application Number:	11333105
Application Number:	10857012
Application Number:	10109083
Application Number:	10224812
Application Number:	09943005
Application Number:	10134553
Application Number:	10101383
Application Number:	10628418
Application Number:	09648019
Application Number:	09888449
Application Number:	09693938
Application Number:	11019515
Application Number:	09999302
Application Number:	10290619
Application Number:	10196865
Application Number:	10185561
Application Number:	09573563
Application Number:	10104293
Application Number:	11065098
Application Number:	09351597
Application Number:	08980258
Application Number:	10185249
Application Number:	10174878
Application Number:	10745884
Application Number:	10155270
Application Number:	11093559
Application Number:	11181843
Application Number:	09392844
Application Number:	09854962
Application Number:	09625889
Application Number:	10706730
Application Number:	10638459
Application Number:	10385345

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Property Type	Number
Application Number:	10410471
Application Number:	10334314
Application Number:	09513325
Application Number:	10649285
Application Number:	10305614
Application Number:	10699355
Application Number:	09420275
Application Number:	10115967
Application Number:	10699315
Application Number:	10223151
Application Number:	10213480
Application Number:	10113753
Application Number:	11133097
Application Number:	10728982
Application Number:	10285365
Application Number:	09977643
Application Number:	10089168
Application Number:	09648822
Application Number:	10090237
Application Number:	10383150
Application Number:	10609776
Application Number:	10246204
Application Number:	10108515
Application Number:	09536502
Application Number:	10895743
Application Number:	10133958
Application Number:	09825645
Application Number:	10385019
Application Number:	10085568
Application Number:	11200937
Application Number:	09175521
Application Number:	09384646
Application Number:	09958588
Application Number:	10136407
Application Number:	09538754
Application Number:	10620369
Application Number:	11402019
Application Number:	10069686

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Droporty Type	Number
Property Type	09765754
Application Number:	
Application Number:	09520133
Application Number:	10389744
Application Number:	10628231
Application Number:	09927190
Application Number:	10186761
Application Number:	09275097
Application Number:	09937367
Application Number:	10147473
Application Number:	10069612
Application Number:	10422946
Application Number:	10442443
Application Number:	10338198
Application Number:	10626215
Application Number:	09953288
Application Number:	10787149
Application Number:	10812164
Application Number:	10122461
Application Number:	10670304
Application Number:	09871816
Application Number:	09710551
Application Number:	10623627
Application Number:	10704389
Application Number:	10351042
Application Number:	10919134
Application Number:	10188539
Application Number:	10636385
Application Number:	10652213
Application Number:	11112247
Application Number:	10090371
Application Number:	10739560
Application Number:	10087565
Application Number:	10479110
Application Number:	10458440
Application Number:	10273857
Application Number:	10373023
Application Number:	10462477
Application Number:	10881190

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Property Type	Number
Application Number:	09772359
Application Number:	10959160
Application Number:	10302914
Application Number:	10205706
Application Number:	10200368
Application Number:	10803888
Application Number:	10886181
Application Number:	09672512
Application Number:	10420146
Application Number:	10158713
Application Number:	10412127
Application Number:	11058331
Application Number:	11133096
Application Number:	10614930
Application Number:	10847177
Application Number:	10742786
Application Number:	10859490
Application Number:	11013054
Application Number:	10294630
Application Number:	09543284
Application Number:	10295827
Application Number:	10813774
Application Number:	10860942
Application Number:	10255272
Application Number:	10269671
Application Number:	10685514
Application Number:	10285508
Application Number:	10298704
Application Number:	10687119
Application Number:	11133099
Application Number:	11376928
Application Number:	11244778
Application Number:	11037677
Application Number:	10624377
Application Number:	10019702
Application Number:	10715557
Application Number:	11236291
Application Number:	10632049

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Property Type	Number
Application Number:	10355021
Application Number:	09521693
Application Number:	11302259
Application Number:	09741179
Application Number:	10642599
Application Number:	10361256
Application Number:	10823580
Application Number:	10637235
Application Number:	10285413
Application Number:	11313748
Application Number:	09699773
Application Number:	10651200
Application Number:	09925331
Application Number:	10340113
Application Number:	10359825
Application Number:	10696033
Application Number:	09659650
Application Number:	10425432
Application Number:	10644864
Application Number:	10237956
Application Number:	10699261
Application Number:	10250480
Application Number:	10179215
Application Number:	10457456
Application Number:	10289100
Application Number:	10685414
Application Number:	11147194
Application Number:	11354526
Application Number:	10862215
Application Number:	09722576
Application Number:	09587892
Application Number:	10465233
Application Number:	10875755
Application Number:	09418647
Application Number:	10849125
Application Number:	10772956
Application Number:	09778764

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Property Type	Number
Application Number:	10422838
Application Number:	10426691
Application Number:	10301242
Application Number:	10770028
Application Number:	10265667
Application Number:	10737903
Application Number:	10823667
Application Number:	10307461
Application Number:	11225516
Application Number:	09379675
Application Number:	10805701
Application Number:	10098508
Application Number:	10438642
Application Number:	10767101
Application Number:	10422844
Application Number:	11483183
Application Number:	10206961
Application Number:	10142052
Application Number:	10464658
Application Number:	10401594
Application Number:	11010410
Application Number:	10822510
Application Number:	10321230
Application Number:	09842899
Application Number:	10939718
Application Number:	10454298
Application Number:	10447113
Application Number:	10357558
Application Number:	10426819
Application Number:	11044974
Application Number:	09914523
Application Number:	10282455
Application Number:	10211687
Application Number:	10616553
Application Number:	10859955
Application Number:	11225777
Application Number:	10701276
Application Number:	11651824

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Property Type	Number
Application Number:	10117045
Application Number:	09861138
Application Number:	10193932
Application Number:	10981591
Application Number:	09473650
Application Number:	10881236
Application Number:	10672535
Application Number:	10949638
Application Number:	10922602
Application Number:	10611771
Application Number:	09672511
Application Number:	10697577
Application Number:	10800214
Application Number:	11032074
Application Number:	10398935
Application Number:	11024119
Application Number:	10731236
Application Number:	09828927
Application Number:	10674123
Application Number:	10934610
Application Number:	10386702
Application Number:	09636115
Application Number:	10044765
Application Number:	11137524
Application Number:	10837225
Application Number:	09528762
Application Number:	10012428
Application Number:	10848496
Application Number:	10857826
Application Number:	10140395
Application Number:	11021554
Application Number:	09788715
Application Number:	10941893
Application Number:	10699687
Application Number:	10606690
Application Number:	11021481
Application Number:	09280618
Application Number:	09790820

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Property Type	Number
Application Number:	10211688
Application Number:	09820146
Application Number:	10625667
Application Number:	10808365
Application Number:	11324596
Application Number:	10457104
Application Number:	11646190
Application Number:	09789397
Application Number:	10768053
Application Number:	11426035
Application Number:	11059438
Application Number:	10295775
Application Number:	11087151
Application Number:	10735895
Application Number:	10614803
Application Number:	10655463
Application Number:	11395304
Application Number:	11379507
Application Number:	10227863
Application Number:	11321151
Application Number:	10453974
Application Number:	10956858
Application Number:	10860948
Application Number:	10985060
Application Number:	11518694
Application Number:	10934509
Application Number:	10663881
Application Number:	11702451
Application Number:	11401809
Application Number:	11269251
Application Number:	10454283
Application Number:	10656497
Application Number:	11482624
Application Number:	11550867
Application Number:	10705837
Application Number:	11445861
Application Number:	11245463
Application Number:	11297198

# <del>Case 6:20 ev-00482-ADA - Document 44-5 - Filed 11/04/20 - Page 57 of 23:</del>

Property Type	Number
Property Type	09487522
Application Number:	
Application Number:	09959749
Application Number:	10002746
Application Number:	10788458
Application Number:	10147830
Application Number:	10712104
Application Number:	11096201
Application Number:	09615945
Application Number:	10674885
Application Number:	11531011
Application Number:	11301388
Application Number:	10620668
Application Number:	10834129
Application Number:	11041561
Application Number:	10820596
Application Number:	11775675
Application Number:	11000182
Application Number:	10166194
Application Number:	11022328
Application Number:	09873706
Application Number:	10817760
Application Number:	11386806
Application Number:	10883666
Application Number:	11157667
Application Number:	10428722
Application Number:	09737471
Application Number:	10115966
Application Number:	11093010
Application Number:	10613103
Application Number:	10833822
Application Number:	11023427
Application Number:	11367414
Application Number:	11773769
Application Number:	10029124
Application Number:	10228300
Application Number:	10556405
Application Number:	11296324
Application Number:	11372240

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Property Type	Number
Application Number:	10455510
Application Number:	10790236
Application Number:	10745881
Application Number:	11180736
Application Number:	10140997
Application Number:	10836290
Application Number:	10195492
Application Number:	11081932
Application Number:	10725025
Application Number:	10954775
Application Number:	09597430
Application Number:	11109782
Application Number:	10935275
Application Number:	11131755
Application Number:	11172471
Application Number:	11092745
Application Number:	11387321
Application Number:	11234361
Application Number:	11318188
Application Number:	10404010
Application Number:	11092728
Application Number:	11345259
Application Number:	11944183
Application Number:	10863275
Application Number:	10930285
Application Number:	09662531
Application Number:	10868419
Application Number:	10930286
Application Number:	12173889
Application Number:	11233198
Application Number:	11020930
Application Number:	10437054
Application Number:	11212131
Application Number:	09292365
Application Number:	10648909
Application Number:	10642581
Application Number:	11133100
Application Number:	11026452

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Property Type	Number
Application Number:	11700534
Application Number:	11483182
Application Number:	11447267
Application Number:	10858989
Application Number:	11067506
Application Number:	09398502
Application Number:	10666684
Application Number:	11123864
Application Number:	10756332
Application Number:	10374931
Application Number:	11305042
Application Number:	10824216
Application Number:	10606896
Application Number:	11168633
Application Number:	11353086
Application Number:	10762301
Application Number:	11534029
Application Number:	11231920
Application Number:	11156566
Application Number:	10798412
Application Number:	11095767
Application Number:	10362493
Application Number:	10763601
Application Number:	10334204
Application Number:	10613104
Application Number:	10641526
Application Number:	11241896
Application Number:	11300474
Application Number:	10952325
Application Number:	11167176
Application Number:	11255953
Application Number:	11238919
Application Number:	10743592
Application Number:	10651134
Application Number:	10701089
Application Number:	11463718
Application Number:	10838098
Application Number:	11350992

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Property Type	Number
Application Number:	11221068
Application Number:	11086535
Application Number:	12055115
Application Number:	10340690
Application Number:	11239656
Application Number:	11604722
Application Number:	11370618
Application Number:	10990157
Application Number:	11306425
Application Number:	11207801
Application Number:	10510436
Application Number:	11091532
Application Number:	10073931
Application Number:	11267992
Application Number:	10296145
Application Number:	10724775
Application Number:	11269738
Application Number:	12035636
Application Number:	11224057
Application Number:	10835112
Application Number:	11233587
Application Number:	10663771
Application Number:	11354925
Application Number:	11329581
Application Number:	10822667
Application Number:	11059603
Application Number:	11288743
Application Number:	11088376
Application Number:	10843898
Application Number:	11169194
Application Number:	11412084
Application Number:	10386651
Application Number:	09323135
Application Number:	11072439
Application Number:	11529417
Application Number:	11283710
Application Number:	10449521
Application Number:	10782231

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Property Type	Number
Application Number:	10649797
Application Number:	11583273
Application Number:	11453800
Application Number:	11141546
Application Number:	10480136
Application Number:	10563227
Application Number:	10926818
Application Number:	11617072
Application Number:	10750123
Application Number:	11342471
Application Number:	10402589
Application Number:	11412143
Application Number:	11474611
Application Number:	11245761
Application Number:	10853825
Application Number:	09824960
Application Number:	10446419
Application Number:	10875823
Application Number:	11615953
Application Number:	10856444
Application Number:	11564125
Application Number:	10864583
Application Number:	11013732
Application Number:	11427639
Application Number:	11194748
Application Number:	10950725
Application Number:	11367141
Application Number:	09495207
Application Number:	10140150
Application Number:	11090308
Application Number:	11452200
Application Number:	11614054
Application Number:	10956204
Application Number:	11398111
Application Number:	12114463
Application Number:	11290873
Application Number:	10286946
Application Number:	11118728

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Property Type	Number
Application Number:	10696034
Application Number:	12014440
Application Number:	11437965
Application Number:	11435664
Application Number:	10939378
Application Number:	10455512
Application Number:	12050225
Application Number:	12509626
Application Number:	11550498
Application Number:	11373919
Application Number:	11388638
Application Number:	11525339
Application Number:	11340527
Application Number:	11135252
Application Number:	12187542
Application Number:	10629375
Application Number:	11463389
Application Number:	11005966
Application Number:	10447504
Application Number:	10423947
Application Number:	11717090
Application Number:	10317801
Application Number:	11317481
Application Number:	10817986
Application Number:	11135707
Application Number:	10436107
Application Number:	11414402
Application Number:	10856728
Application Number:	11172546
Application Number:	10612471
Application Number:	11553159
Application Number:	11090596
Application Number:	11437907
Application Number:	11116510
Application Number:	11411968
Application Number:	10833748
Application Number:	11744549
Application Number:	11242884

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Property Type	Number
Application Number:	10252210
Application Number:	11212661
Application Number:	11717977
Application Number:	12059105
Application Number:	12000151
Application Number:	11301714
Application Number:	11425196
Application Number:	11521347
Application Number:	10914170
Application Number:	12204139
Application Number:	10632196
Application Number:	11394372
Application Number:	11296996
Application Number:	10413401
Application Number:	10370805
Application Number:	10731091
Application Number:	10222125
Application Number:	11394261
Application Number:	11904949
Application Number:	10222785
Application Number:	10778556
Application Number:	10350423
Application Number:	11483720
Application Number:	10861519
Application Number:	11133598
Application Number:	11776046
Application Number:	11387165
Application Number:	11765155
Application Number:	11900045
Application Number:	11328725
Application Number:	11356120
Application Number:	10884972
Application Number:	10775214
Application Number:	11412085
Application Number:	10865432
Application Number:	11772039
Application Number:	09201749
Application Number:	10715928

# <del>Case 6:20 ev 98482 ADA - Document 44 5 - Filed 11/94/20 - Page 64 of 23</del>9

Duene why Town	Missach e.:
Property Type	Number
Application Number:	11197306
Application Number:	12060477
Application Number:	11584627
Application Number:	12259389
Application Number:	12031208
Application Number:	10617210
Application Number:	10954411
Application Number:	11199687
Application Number:	11699943
Application Number:	12179872
Application Number:	11599321
Application Number:	10896877
Application Number:	11226328
Application Number:	11651213
Application Number:	11349273
Application Number:	11754341
Application Number:	11332761
Application Number:	11143620
Application Number:	10956870
Application Number:	09998504
Application Number:	10835810
Application Number:	11712576
Application Number:	11765385
Application Number:	11413763
Application Number:	11967756
Application Number:	11902708
Application Number:	12583912
Application Number:	11423275
Application Number:	11617144
Application Number:	12573583
Application Number:	11483522
Application Number:	11458581
Application Number:	11180812
Application Number:	10818331
Application Number:	11772135
Application Number:	12103540
Application Number:	11618056
Application Number:	10733327

# <del>Case 6:20 ev 00482 ADA - Document 44 5 - Filed 11/04/20 - Page 65 of 23</del>9

Property Type	Number
Application Number:	11413965
Application Number:	11689834
Application Number:	11474831
Application Number:	10831719
Application Number:	11271289
Application Number:	11321549
Application Number:	11173966
Application Number:	12397739
Application Number:	12133259
Application Number:	12384512
Application Number:	11567702
Application Number:	10027821
Application Number:	10768409
Application Number:	11818136
Application Number:	11998607
Application Number:	10637289
Application Number:	11986265
Application Number:	11556753
Application Number:	11256626
Application Number:	10428464
Application Number:	11377578
Application Number:	11026499
Application Number:	11444105
Application Number:	11559015
Application Number:	10453976
Application Number:	10316027
Application Number:	10500900
Application Number:	10734911
Application Number:	11872923
Application Number:	11760175
Application Number:	11367401
Application Number:	11668841
Application Number:	10645257
Application Number:	11382360
Application Number:	11135696
Application Number:	11392736
Application Number:	10955089
Application Number:	11824114

# <del>Case 6:20 ev 98482 ADA - Document 44 5 - Filed 11/94/20 - Page 66 of 239</del>

Property Type	Number
Application Number:	10391766
Application Number:	11519559
Application Number:	11078012
Application Number:	11349061
Application Number:	11740610
Application Number:	11119829
Application Number:	11413612
Application Number:	11836540
Application Number:	12132583
Application Number:	12391039
Application Number:	11970169
Application Number:	10967385
Application Number:	10361984
Application Number:	11435665
Application Number:	11776655
Application Number:	10920673
Application Number:	11711618
Application Number:	12386288
Application Number:	12347642
Application Number:	10628714
Application Number:	12058859
Application Number:	11565772
Application Number:	11319630
Application Number:	11651520
Application Number:	11260890
Application Number:	11736578
Application Number:	10207844
Application Number:	11372895
Application Number:	12709015
Application Number:	10026690
Application Number:	12473657
Application Number:	10361491
Application Number:	11522785
Application Number:	11110706
Application Number:	10602588
Application Number:	10897805
Application Number:	10411759
Application Number:	12732752

# <del>Case 6:20 ev 90482 ADA - Document 44 5 - Filed 11/94/20 - Page 67 of 23</del>9

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Property Type	Number
Application Number:	11781429
Application Number:	11708297
Application Number:	10403083
Application Number:	12014303
Application Number:	11027905
Application Number:	11035082
Application Number:	11554626
Application Number:	10609861
Application Number:	12437685
Application Number:	12362239
Application Number:	11741068
Application Number:	10350818
Application Number:	12002920
Application Number:	10835676
Application Number:	12017041
Application Number:	11452690
Application Number:	11975002
Application Number:	12506761
Application Number:	11758477
Application Number:	10462215
Application Number:	10418094
Application Number:	12029667
Application Number:	10406352
Application Number:	10376378
Application Number:	11015609
Application Number:	11905239
Application Number:	09653486
Application Number:	12221217
Application Number:	12427539
Application Number:	11789287
Application Number:	11725011
Application Number:	10389929
Application Number:	10790434
Application Number:	11139692
Application Number:	11645602
Application Number:	10629682
Application Number:	12221904
Application Number:	12543529

# <del>Case 6:20 ev 00482 ADA - Document 44 5 - Filed 11/04/20 - Page 68 of 23</del>9

Property Type	Number
Application Number:	11976802
Application Number:	12178104
Application Number:	12472712
Application Number:	12328609
Application Number:	10217427
Application Number:	12276256
Application Number:	11376085
Application Number:	11288226
Application Number:	12392924
Application Number:	12011908
Application Number:	11777261
Application Number:	10145514
Application Number:	10359878
	10359878
Application Number: Application Number:	10736408
	10833489
Application Number:	11509406
Application Number:	11590464
Application Number:	11637051
Application Number:	
Application Number:	10599893
Application Number: Application Number:	12232737
Application Number:	11094436
Application Number:	12355866
Application Number:	12043078
Application Number:	11519142
Application Number:	12177500
Application Number:	11999361
Application Number:	12117983
Application Number:	11711545
Application Number:	10954678
Application Number:	11879846
Application Number:	11398555
Application Number:	11290227
Application Number:	12563476
Application Number:	12540155
Application Number:	12320864
Application Number:	11980421
Application Number.	11300421

# <del>Case 6:29 ev 90482 ADA - Document 44 5 - Filed 11/04/29 - Page 69 of 239</del>

Property Type	Number
Application Number:	11864560
Application Number:	12393643
Application Number:	12231646
Application Number:	10670940
Application Number:	09660093
Application Number:	11368790
Application Number:	11836860
Application Number:	11521690
Application Number:	10781628
Application Number:	12211980
Application Number:	12218293
Application Number:	12276273
Application Number:	12206364
Application Number:	12464321
Application Number:	12586823
Application Number:	12291570
Application Number:	11474591
Application Number:	11808236
Application Number:	10866812
Application Number:	13089351
Application Number:	12001648
Application Number:	10452270
Application Number:	12830932
Application Number:	12283048
Application Number:	12648055
Application Number:	10903445
Application Number:	11820890
Application Number:	11756970
Application Number:	11626350
Application Number:	12104202
Application Number:	12590282
Application Number:	11624718
Application Number:	11940377
Application Number:	10838782
Application Number:	11294731
Application Number:	11084281
Application Number:	11880749
Application Number:	11315544

# <del>Case 6:20 ev 90482 ADA - Document 44 5 - Filed 11/94/20 - Page 70 of 23</del>9

Dronorty Tyro	Mumbar
Property Type	Number
Application Number:	10403551
Application Number:	12466790
Application Number:	12735340
Application Number:	12546762
Application Number:	11771986
Application Number:	12068804
Application Number:	12828466
Application Number:	10924115
Application Number:	12009851
Application Number:	12649606
Application Number:	12906809
Application Number:	11723647
Application Number:	12214051
Application Number:	11025100
Application Number:	12662798
Application Number:	12652867
Application Number:	11820978
Application Number:	12415375
Application Number:	11343770
Application Number:	11443101
Application Number:	12621196
Application Number:	10853422
Application Number:	12500117
Application Number:	11536315
Application Number:	12378216
Application Number:	10126699
Application Number:	11770315
Application Number:	11824469
Application Number:	11914188
Application Number:	10919618
Application Number:	11979304
Application Number:	11930840
Application Number:	12276265
Application Number:	12076313
Application Number:	12133117
Application Number:	11084887
Application Number:	12238742
Application Number:	12678464

# <del>Case 6:20 ev 00482 ADA - Document 44 5 - Filed 11/04/20 - Page 71 of 23</del>9

B	NI I
Property Type	Number
Application Number:	11946541
Application Number:	12385120
Application Number:	12635239
Application Number:	12437274
Application Number:	11802892
Application Number:	12239983
Application Number:	12654867
Application Number:	11701182
Application Number:	11392459
Application Number:	10867086
Application Number:	11117788
Application Number:	12462291
Application Number:	10667722
Application Number:	12383938
Application Number:	09813415
Application Number:	12791086
Application Number:	12129883
Application Number:	11313258
Application Number:	11414725
Application Number:	10448559
Application Number:	12895734
Application Number:	12269851
Application Number:	11814768
Application Number:	11712161
Application Number:	12488917
Application Number:	12732800
Application Number:	12851299
Application Number:	12612293
Application Number:	13010711
Application Number:	12276260
Application Number:	13086796
Application Number:	11529233
Application Number:	13010382
Application Number:	10809164
Application Number:	11288694
Application Number:	13017449
Application Number:	13010414
Application Number:	12640151

# <del>Case 6:20 ev 00482 ADA - Document 44 5 - Filed 11/04/20 - Page 72 of 239</del>

D T	Ni
Property Type	Number
Application Number:	12485623
Application Number:	13116263
Application Number:	11212870
Application Number:	09969579
Application Number:	11414126
Application Number:	12988600
Application Number:	11069261
Application Number:	12201372
Application Number:	12915790
Application Number:	11073513
Application Number:	10600687
Application Number:	10796425
Application Number:	12662797
Application Number:	12276272
Application Number:	12726491
Application Number:	12276279
Application Number:	12956397
Application Number:	12495237
Application Number:	12678369
Application Number:	12317807
Application Number:	12688307
Application Number:	12122356
Application Number:	12880373
Application Number:	13014864
Application Number:	12640744
Application Number:	11315512
Application Number:	13265419
Application Number:	12317881
Application Number:	11710136
Application Number:	13010617
Application Number:	12864411
Application Number:	12588029
Application Number:	13077630
Application Number:	11571039
Application Number:	12984950
Application Number:	12806898
Application Number:	12333452
Application Number:	12012878

### <del>Case 6:20 ev 00482 ADA - Document 44 5 - Filed 11/04/20 - Page 73 of 239</del>

Property Type	Number
Application Number:	12029067
Application Number:	13738568
Application Number:	13296934
Application Number:	12641874
Application Number:	12357208
Application Number:	13253120
Application Number:	13381412
Application Number:	12276281
Application Number:	13108048
Application Number:	12824849
Application Number:	10252796
Application Number:	13143407
Application Number:	11836313
Application Number:	10265446
Application Number:	09946195
Application Number:	13266097
Application Number:	10187664
Application Number:	13145880
Application Number:	12495295
Application Number:	13112653
Application Number:	12592907
Application Number:	11712092
Application Number:	12885958
Application Number:	12669144
Application Number:	11564931
Application Number:	13023173
Application Number:	13250158
Application Number:	13338581
Application Number:	13213679
Application Number:	10715425
Application Number:	11137147
Application Number:	12415089
Application Number:	11618105
Application Number:	13919396
Application Number:	11972173
Application Number:	12492598
Application Number:	11762754
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### <del>Case 6:20 ev 00482 ADA - Document 44 5 - Filed 11/04/20 - Page 74 of 239</del>

Property Type	Number
Application Number:	10911726
Application Number:	12178745
Application Number:	10350817
Application Number:	13201594
Application Number:	13010168
Application Number:	13564065
Application Number:	13579866
Application Number:	13647607
Application Number:	13077718
Application Number:	11446264
Application Number:	11564116
Application Number:	13210299
Application Number:	10265441
Application Number:	12928900
Application Number:	12492872
Application Number:	13228808
Application Number:	13613159
Application Number:	11041572
Application Number:	13330418
Application Number:	11686674
Application Number:	13146561
Application Number:	12007425
Application Number:	11456480
Application Number:	13021374
Application Number:	13350364
Application Number:	10573832
Application Number:	13237223
Application Number:	13245160
Application Number:	12165880
Application Number:	13922335
Application Number:	12827791
Application Number:	13222234
Application Number:	11872520
Application Number:	12985835
Application Number:	11477987
Application Number:	13157379
Application Number:	13205931
Application Number:	10831245

### <del>Case 6:20 ev 00482 ADA - Document 44 5 - Filed 11/04/20 - Page 75 of 23</del>9

Property Type	Number
Property Type	
Application Number:	12276262
Application Number:	11618140
Application Number:	12381385
Application Number:	13537467
Application Number:	12646771
Application Number:	12802088
Application Number:	10673055
Application Number:	11850454
Application Number:	11239536
Application Number:	13270804
Application Number:	11876955
Application Number:	10662917
Application Number:	12984213
Application Number:	13461979
Application Number:	12612674
Application Number:	13238737
Application Number:	10338097
Application Number:	13360997
Application Number:	13431116
Application Number:	10798064
Application Number:	13160658
Application Number:	13556635
Application Number:	12455193
Application Number:	12732293
Application Number:	12999797
Application Number:	13551088
Application Number:	14091282
Application Number:	12008481
Application Number:	11351367
Application Number:	13611915
Application Number:	11738387
Application Number:	11449073
Application Number:	12276275
Application Number:	12641429
Application Number:	13484863
Application Number:	11126504
Application Number:	11732199
Application Number:	13495046
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### <del>Case 6:20 ev 98482 ADA - Document 44 5 - Filed 11/94/20 - Page 76 of 23</del>9

Property Type	Number
Application Number:	13195118
Application Number:	13956676
Application Number:	12433140
Application Number:	12191091
Application Number:	12144120
Application Number:	13617423
Application Number:	12790143
Application Number:	12309969
Application Number:	13710605
Application Number:	13630908
Application Number:	11349031
Application Number:	11616917
Application Number:	13824726
Application Number:	13335326
Application Number:	13237032
Application Number:	13885562
Application Number:	13018109
Application Number:	13369551
Application Number:	13289404
Application Number:	11865020
Application Number:	12842921
Application Number:	11453875
Application Number:	14279482
Application Number:	10932053
Application Number:	13950574
Application Number:	13000778
Application Number:	13702399
Application Number:	13729790
Application Number:	14053806
Application Number:	12659471
Application Number:	12112917
Application Number:	11138007
Application Number:	12868454
Application Number:	13376258
Application Number:	12587057
Application Number:	13338636
Application Number:	13010343
Application Number:	12984047

### <del>Case 6:20 ev 00482 ADA - Document 44 5 - Filed 11/04/20 - Page 77 of 23</del>9

Property Type	Number
Property Type	14096145
Application Number:	
Application Number:	13978635
Application Number:	12266268
Application Number:	10954755
Application Number:	11905247
Application Number:	13510674
Application Number:	12698243
Application Number:	13786638
Application Number:	10835085
Application Number:	12148100
Application Number:	12023255
Application Number:	14000333
Application Number:	13837440
Application Number:	14049316
Application Number:	12984060
Application Number:	13690450
Application Number:	12894198
Application Number:	11647366
Application Number:	13342637
Application Number:	12660900
Application Number:	13218119
Application Number:	11241684
Application Number:	13552800
Application Number:	12971698
Application Number:	13674352
Application Number:	13674259
Application Number:	13674315
Application Number:	13819027
Application Number:	13434080
Application Number:	13803794
Application Number:	14032352
Application Number:	14444591
Application Number:	11323317
Application Number:	13674392
Application Number:	13730131
Application Number:	13828167
Application Number:	13731183
Application Number:	11088073

### <del>Case 6:20 ev 00482 ADA - Document 44 5 - Filed 11/04/20 - Page 78 of 239</del>

Duamante Torre	Missaala a ::
Property Type	Number
Application Number:	13835821
Application Number:	13710052
Application Number:	12894328
Application Number:	13174029
Application Number:	11778250
Application Number:	11614140
Application Number:	13878360
Application Number:	14000714
Application Number:	13084901
Application Number:	14075294
Application Number:	11395455
Application Number:	14382964
Application Number:	13334141
Application Number:	14039374
Application Number:	14737838
Application Number:	13869364
Application Number:	12308375
Application Number:	13731710
Application Number:	13628207
Application Number:	14319619
Application Number:	11274956
Application Number:	14006997
Application Number:	13609375
Application Number:	14197377
Application Number:	12307199
Application Number:	13511823
Application Number:	14374829
Application Number:	14144695
Application Number:	13514659
Application Number:	13731738
Application Number:	13159158
Application Number:	13647675
Application Number:	14157887
Application Number:	14107878
Application Number:	12237849
Application Number:	10397959
Application Number:	14087714
Application Number:	13551894

### Case 6:29 ev 90482 ADA - Document 44 5 - Filed 11/04/29 - Page 79 of 239

Property Type	Number
Application Number:	13827205
Application Number:	13181608
Application Number:	12946394
Application Number:	14215171
Application Number:	13531019
Application Number:	13895408
Application Number:	12801893
Application Number:	13293214
Application Number:	14551372
Application Number:	14438658
Application Number:	14713284
Application Number:	14256406
Application Number:	11503661
Application Number:	12766031
Application Number:	13598199
Application Number:	14448148
Application Number:	14065790
Application Number:	14021491
Application Number:	14152437
Application Number:	14551382
Application Number:	13360937
Application Number:	14596912
Application Number:	10121188
Application Number:	10510274
Application Number:	10537175
Application Number:	11213328
Application Number:	11357130
Application Number:	14939587
Application Number:	11822051
Application Number:	12171629
Application Number:	12736286
Application Number:	12926268
Application Number:	12480456
Application Number:	14508879
Application Number:	13128583
Application Number:	12640072
Application Number:	13042797
Application Number:	12956714

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Property Type	Number
Application Number:	13042777
Application Number:	13639242
Application Number:	14113251
Application Number:	13296482
Application Number:	13992875
Application Number:	14609804
Application Number:	13658900
Application Number:	14517289
Application Number:	13538155
Application Number:	14345566
Application Number:	14351630
Application Number:	15183690
Application Number:	14384874
Application Number:	14412503
Application Number:	13926746
Application Number:	14689937
Application Number:	14419503
Application Number:	14050933
Application Number:	14053745
Application Number:	14063735
Application Number:	14132664
Application Number:	14189119
Application Number:	14256320
Application Number:	14261519
Application Number:	14910724
Application Number:	15032443
Application Number:	14501217
Application Number:	15188046
Application Number:	14562050
Application Number:	15117881
Application Number:	14670816
Application Number:	14672661
Application Number:	14826696
Application Number:	09261737

### **CORRESPONDENCE DATA**

### Fax Number:

Correspondence will be sent to the e-mail address first; if that is unsuccessful, it will be sent using a fax number, if provided; if that is unsuccessful, it will be sent via US Mail.

PATENT

REEL: 044000 FRAME: 0131

Case 6:20 ev 00482 ADA - Decument 44 5 - Filed 11/04/20 - Page 81 of 239

**Phone:** 9493656722

Email: DOCKETING@BURDICKPATENTS.COM

Correspondent Name: BURDICK PATENTS
Address Line 1: 2526 W. STATE STREET
Address Line 4: BOISE, IDAHO 83702

ATTORNEY DOCKET NUMBER: ALU

NAME OF SUBMITTER: KRIS PANGAN

SIGNATURE: /Kris Pangan/

**DATE SIGNED:** 09/25/2017

**Total Attachments: 155** 

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#### ASSIGNEE RECORDATION COVER SHEET

The following four documents attached hereto present evidence of legal transfer of title to the patent properties listed in "Exhibit A of Amended Schedule B1" from

#### **Alcatel Lucent**

("Assignor")

to

### WSOU Investments, LLC

("Assignee"):

- 1. "PATENT ASSIGNMENT" as set forth in "AMENDED SCHEDULE B1: ASSIGNMENT OF PATENT RIGHTS BY ALCATEL LUCENT" (3 pp) of that certain "Patent Purchase Agreement" effective July 22, 2017 between (a) Alcatel Lucent, (b) Nokia Solutions and Networks BV, and (c) Nokia Technologies Oy ("SELLERS"), and (d) Wade and Company ("PURCHASER"), as amended by "Amendment to Patent Purchase Agreement" between SELLERS and PURCHASER effective August 2, 2017.
- 2. "ASSIGNMENT OF PATENT PURCHASE AGREEMENT" between (d) Wade and Company ("ASSIGNEE") and WSOU Investments, LLC ("ASSIGNOR") effective August 21, 2017 (1 page).
- 3. "RELEASE AND RELINQUISHMENT OF INTEREST IN WSOU INVESTMENTS, LLC" by WCFT Cayman, Ltd. effective August 21, 2017 (1 page).
- 4. "Exhibit A of AMENDED SCHEDULE B1 Assigned Patents (ALU Only Assets) of PPA" (149 pp).

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# AMENDED SCHEDULE BI: ASSIGNMENT OF PATENT RIGHTS BY ALCATEL LUCENT

#### PATENT ASSIGNMENT

This PATENT ASSIGNMENT, including without limitation Exhibit A of Amended Schedule B1 hereto, ("Assignment") is made by:

- (1) Alcatel Lucent, a company validly organized and existing under the laws of France and having its principal address at 148/152 Route de la Reine, 92100 Boulogne-Billancourt, France, ("Assignor"); to
- (2) Wade and Company, a company validly organized and existing under the laws of Ontario, Canada, having its principal address at 17 Prince Arthur, Toronto, ON M5R 1G4 CANADA, (the "Assignee"),

All references to the plural herein also mean the singular, and vice versa, unless the context otherwise requires.

WHEREAS, Assignor is the owner of certain patents and patent applications, as specified in Exhibit A hereto.

#### DEFINITIONS

"Assigned Patents" means (a) patent applications listed in Exhibit A of Amended Schedule B1 hereto; (b) all reissues, reexaminations, continuations, continuations-in-part, divisionals, renewals and extensions of such patents and patent applications (whether pending, issued, abandoned or filed prior to, on or after the Effective Date); (c) all patents and patent applications (i) to which any or all of the foregoing directly or indirectly claims priority to, or the benefit of, the filing date, or (ii) for which any or all of the foregoing directly or indirectly forms a basis for priority or otherwise provides the benefit of an earlier filing date; and (d) all foreign counterparts to any or all of the foregoing, and all utility models, certificates of invention, patent registrations and equivalent rights worldwide.

"Assignment Date" means August 2, 2017.

#### PATENT ASSIGNMENT

Assignor hereby assigns, transfers, and conveys unto Assignee, all of Assignor's right, title, and interest in and to each of the Assigned Patents.

The assignment, transfer, and conveyance to Assignee set forth above will become effective on the Assignment Date and is made subject to certain encumbrances and retained rights for the Assigned Patents in favor of Assignor and/or its assignees and licensees.

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IN WITNESS WHEREOF, the Assignor has caused this Assignment to be signed by its duly authorized officers.

ASSIGNOR:

ASSIGNOR:

ALCATEL LUCENT

ALCATEL LUCENT

ACKNOWLEDGED BY ASSIGNEE

ASSIGNEE:

WADE AND COMPANY

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# EXHIBIT A of AMENDED SCHEDULE BI - ASSIGNED PATENTS

### Embedded Electronic File (149 Pages):



"Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA"

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### ASSIGNMENT OF PATENT PURCHASE AGREEMENT

WHEREAS, Wade and Company, on the one hand, and Alcatel Lucent, Nokia Solutions and Networks BV and Nokia Technologies Oy ("Nokia Parties"), on the other hand, entered into a Patent Purchase Agreement with an effective date as of July 22, 2017 ("Patent Purchase Agreement");

WHEREAS, Wade and Company and the Nokia Parties entered into an Amendment to the Patent Purchase Agreement with an effective date as of August 21, 2017 ("Amendment to Patent Purchase Agreement");

WHEREAS, the Amendment to the Patent Purchase Agreement permits Wade and Company to assign the whole of its interest in the Patent Purchase Agreement to WSOU Investments LLC, a company organized under the laws of Delaware;

NOW, THEREFORE, Wade and Company wishes to assign the whole of its interest in the Patent Purchase Agreement to WSOU investments LLC

Wade and Company hereby assigns to WSOU Investments LLC and WSOU Investments LLC hereby accepts the whole of the interest of Wade and Company in the Patent Purchase Agreement.

IN WITNESS WHEREOF, Wade and Company and WSOU Investments LLC, on behalf of themselves and their Affiliates, have caused this Agreement to be executed by their duly authorized representatives to become effective as of August 21, 2017.

WADE AND COMPANY

Name: Stuart A. Shand

Signature:

Title: General Counsel, Managing Partner

Date: August 21, 2017

WSOU INVESTMENTS LLC

Name: Craig Etchegoyen

Signature:

Title: Member

Date: August 21, 2017

### RELEASE AND RELINQUISHMENT OF INTEREST IN WSOU INVESTMENTS, LLC

WHEREAS, WCFT Cayman, a Cayman Islands company ("WCFT Cayman"), on the one hand and Orange Holdings, a Nevada corporation, on the other hand, had preliminary discussions concerning forming and operating WSOU Investments, LLC, a to be formed Delaware limited liability company;

WHEREAS, WSOU Investments, LLC was subsequently formed to purchase intellectual property from Alcatel Lucent, Nokia Solutions and Networks BV, Nokia Technologies Oy; and

WHEREAS, WCFT Cayman and Orange Holding never agreed to form WSOU Investments, LLC;

NOW, THEREFORE, to avoid any controversy or dispute concerning the fact that WCFT Cayman does not own and has never owned an interest in WSOU Investments, LLC:

WCFT Cayman hereby unequivocally avers that it owns no interest in WSOU Investments, LLC and to the extent it ever had any ownership stake, it hereby releases, relinquishes and disavows any ownership interest in WSOU Investments LLC it may have had.

IN WITNESS WHEREOF, WCFT Cayman itself and its Affiliates have caused this Release and Relinquishment of Interest to be executed by its duly authorized representative made effective as of August 21, 2017.

WCFT Cayman Ltd.

Name: Marc Wade

Signature: 444

Title: Director

Date: August 21, 2017

# Case 6:20-cv-00482-ADA Document 44-5 Filed 11/04/20 Page 91 of 239 Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	CARE REFERENCE	CHANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPINATION DATE	APPLICATION DATE	TITLE Method And Apparatus Of Virtualized Resource
809616	809616-US-NP	US8792941	13/613159	20140073335	US	29-Jul-14	26-Sep-32	13-Sep-12	Sharing In Cellular Networks SIGNAL TRANSMISSION PERFORMANCE
019224	019224-US-CIP	U56148423	08/483886		US	14-Nov-00	14-Nov-17	7-Jun-95	OPTIMIZATION DEVICE IN A SYSTEM FOR TRANSMITTING DIGITAL DATA, ESPECIALLY ON AN OPTICAL LINK
100001	100001-DE-EPA	EP0817397	97401515.8	EP0817397	DE	31-Dec-08	30-Jun-17		HANDOVER
100001 100001	100001-GB-EPA 100001-US-NP	EP0817397 US5995807	97401515.8 08/887287	EP0817397	GB US	31-Dec-08 30-Nov-99	30-Jun-17 2-Jul-17		HANDOVER HANDOVER
100082	100082-US-NP	US6522896	09/102002	20020022502	US	18-Feb-03	22-Jun-18	22-Jun-98	ANTENNA DIVERSITY BASE STATION FOR TRANSMISSION OF UNIDIRECTIONAL CHANNELS AND CORRESPONDING METHOD OF TRANSMISSION OF A UNIDIRECTIONAL CHANNEL BY A BASE STATION
100295	100295-US-PCT	US6173093	09/051816		US	9-Jan-01	18-Aug-17	18-Aug-97	OPTICAL ADD/DROP WAVELENGTH DIVISION MULTIPLEX SYSTEMS
100408	100408-US-NP	US6038045	08/956445		US	14-Mar-00	23-Oct-17	23-Oct-97	APPARATUS FOR ADDING AND DROPPING WAVELENGTH MULTIPLEX CHANNELS
100430 100589	100430-US-NP 100589-US-NP	US6026204 US5994795	08/960201 09/062554		US US	15-Feb-00 30-Nov-99	29-Oct-17 20-Apr-18		SPECTRAL PRECOMPensation POWER DISTRIBUTION
100639	100639-US-NP	US6052527	09/021420		US	18-Apr-00	10-Feb-18	10-Feb-98	METHODE POUR GERER LA CONCURRENCE DANS DES
100643	100643-US-NP	US6266406	09/057802		US	24-Jul-01	9-Apr-18	9-Apr-98	OBJETS IMPLEMENTATION OF A TCAP INTERFACE
100645	100645-US-NP	US6317428	09/059837		US	13-Nov-01	14-Apr-18		DESIGN AND IMPLEMENTATION OF IN SERVICE
100683	100683-US-PCT	US6339489	09/125316		US	15-Jan-02	30-Dec-17	30-Dec-97	DEVICE FOR COMPENSATING THE DISPERSION OF POLARIZATION IN AN OPTICAL TRANSMISSION SYSTEM
100716	100716-US-NP	US6034645	09/028811		us	7-Mar-00	24-Feb-18	24-Feb-98	MINIATURE ANNULAR MICROSTRIP RESONANT ANTENNA
100784	100784-US-PCT	US6373608	09/155901		US	16-Apr-02	10-Feb-18	10-Feb-98	METHOD AND DEVICE FOR ON-LINE REGENERATION OF A SIGNAL TRANSMITTED BY WAVELENGTH DIVISION MULTIPLEXED SOLITONS AND OPTICAL TELECOMMUNICATION SYSTEM COMPRISING SUCH A REGENERATING DEVICE
100792	100792-US-NP	US6172562	09/225508		US	9-Jan-01	6-Jan-19	6-Jan-99	DEVICE FOR CONTROLLING THE AMPLITUDE AND THE PHASE OF A RADIO FREQUENCY SIGNAL
100849	100849-US-NP	US6061027	09/143657		US	9-May-00	31-Aug-18	31-Aug-98	RADIATING STRUCTURE
100902	100902-US-PCT	US6526064	09/180774		us	25-Feb-03	27-Mar-18	27-Mar-98	METHOD FOR TRANSMITTING ON A PLURALITY OF TRANSMISSION MEDIA, WITH DYNAMIC DATA DISPATCHING, AND CORRESPONDING TRANSMITTER AND TERMINAL
100946	100946-CN-NP	ZL98126980.X	98126980.X	1230037A	CN	26-May-04	11-Dec-18		MULTIFREQUENCY PATCH ANTENNA
100946 100946	100946-DE-EPA 100946-FR-EPA	EP0924797 EP0924797	98403063.5 98403063.5	EP0924797 EP0924797	DE FR	25-Feb-04 25-Feb-04	7-Dec-18 7-Dec-18		MULTIFREQUENCY PATCH ANTENNA MULTIFREQUENCY PATCH ANTENNA
100946	100946-GB-EPA	EP0924797	98403063.5	EP0924797	GB	25-Feb-04	7-Dec-18		MULTIFREQUENCY PATCH ANTENNA
100946	100946-US-NP	US6133879	09/209447		US	17-Oct-00	11-Dec-18	11-Dec-98	MULTIFREQUENCY MICROSTRIP ANTENNA AND A DEVICE INCLUDING SAID ANTENNA
100949	100949-CN-NP	ZL98117083.8	98117083.8	1226093A	CN	5-Nov-03	11-Dec-18	11-Dec-98	Shorted microstrip antenna and apparatus using the same
100949	100949-DE-EPA	EP0923156	98402988.4	EP0923156	DE	28-Jan-04	30-Nov-18	30-Nov-98	Shorted microstrip antenna and apparatus using the same
100949	100949-FR-EPA	EP0923156	98402988.4	EP0923156	FR	28-Jan-04	30-Nov-18	30-Nov-98	Shorted microstrip antenna and apparatus using the same
100949	100949-GB-EPA	EP0923156	98402988.4	EP0923156	GB	28-Jan-04	30-Nov-18	30-Nov-98	Shorted microstrip antenna and apparatus using the same
100949	100949-US-NP	US6133880	09/209449		US	17-Oct-00	11-Dec-18	11-Dec-98	Shorted microstrip antenna and apparatus using the same
100957	100957-US-NP	US6166699	09/081515		US	26-Dec-00	20-May-18	20-May-98	ANTENNA SOURCE FOR TRANSMITTING AND RECEIVING MICROWAVES
101107	101107-FR-NP	FR2766318	9709068	2766318	FR	30-Nov-01	17-Jul-17	17-Jul- <del>9</del> 7	SYSTEME DE RADIOTELECOMMUNICATIONS AVEC UN TERMINAL MOBILE FONCTIONNANT EN MODE CELLULAIRE ET EN MODE SANS FIL
101107	101107-US-NP	US6141547	09/114499		US	31-Oct-00	13-Jul-18	13-Jul-98	RADIOTELECOMMUNICATIONS SYSTEM HAVING A MOBILE TERMINAL THAT OPERATES BOTH IN CELLULAR MODE AND IN CORDLESS MODE
101120	101120-US-NP	US6424350	09/273557		US	23-Jul-02	22-Mar-19	22-Mar-99	METHOD OF CONTROLLING A LIQUID CRYSTAL DISPLAY
101221	101221-DE-EPA	EP0929119	99400002.4	EP0929119	DE	13-Dec-06	4-Jan-19	4-Jan-99	ISOTROPIC BCCH BROADCAST BY BEAMFORMING BTS
101221	101221-FR-NP	FR2773661	9800191	2773661	FR	25-Feb-00	12-Jan-18	12-Jan-98	ISOTROPIC BCCH BROADCAST BY BEAMFORMING BTS
101221	101221-GB-EPA	EP0929119	99400002.4	EP0929119	GB	13-Dec-06	4-Jan-19	4-Jan-99	ISOTROPIC BCCH BROADCAST BY BEAMFORMING BTS
101221	101221-US-NP	US6181955	09/227884		us	30-Jan-01	11-Jan-19	11-Jan-99	METHOD OF TRANSMITTING A CONTROL SIGNAL BY A BASE STATION OF A DIGITAL CELLULAR MOBILE RADIO SYSTEM AND A CORRESPONDING BASE STATION
101242	101242-US-NP	US6366072	09/244827	20020007262	US	2-Apr-02	4-Feb-19	4-Feb- <del>9</del> 9	OPTIMIZED POWER SUPPLY SYSTEM FOR AN ELCTRONIC CIRCUIT
101279	101279-CN-NP	ZL98117088.9	98117088.9	1224254A	CN	6-Aug-03	11-Dec-18	11-Dec-98	Antenna realised according to microstrip technique and device incorporating this antenna
101279	101279-DE-EPA	EP0923157	98403061.9	EP0923157	DE	15-Sep-04	7-Dec-18	7-Dec-98	Antenna realised according to microstrip technique and device incorporating this antenna
101279	101279-FR-EPA	EP0923157	98403061.9	EP0923157	FR	15-Sep-04	7-Dec-18	7-Dec-98	Antenna realised according to microstrip technique and device incorporating this antenna
101279	101279-GB-EPA	EP0923157	98403061.9	EP0923157	GB	15-Sep-04	7-Dec-18	7-Dec-98	Antenna realised according to microstrip technique and device incorporating this antenna
101279	101279-US-NP	US6121930	09/209470		us	19-Sep-00	11-Dec-18	11-Dec-98	Antenna realised according to microstrip technique and device incorporating this antenna
101297	101297-US-NP	US7024619	09/373240	<u>I</u>	US	4-Apr-06	12-Aug-19	12-Aug-99	EVENT CONDITION ACTION

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FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATEON	TITLE
101353	101353-US-NP	US6813246	09/362117		US	2-Nov-04	28-Jul-19	28-Jul-99	ROUTING CALLS WITH OVERFLOWS IN A PRIVATE
101356	101356-DE-EPA	EP0979014	99401902.4	EP0979014	DE	9-May-07	26-Jul-19	26-Jul-99	NETWORK ROUTING IN A PRIVATE NETWORK USING
						·			COMPRESSION ROUTING IN A PRIVATE NETWORK USING
101356	101356-FR-EPA	EP0979014	99401902.4	EP0979014	FR	9-May-07		26-Jul-99	COMPRESSION ROUTING IN A PRIVATE NETWORK USING
101356	101356-GB-EPA	EP0979014	99401902.4	EP0979014	GB	9-May-07	26-Jul-19	26-Jul-99	COMPRESSION
101356	101356-US-NP	US6909694	09/364308		US	21-Jun-05	30-Jul-19	30-Jul-99	ROUTING IN A PRIVATE NETWORK WITH COMPRESSION
101357	101357-DE-EPA	EP0979015	99401987.5	EP0979015	DE	9-Nov-05	5-Aug-19	5-Aug-99	Leitweglenkung von von einem privaten Netz ausgehenden Anrufen
101357 101357	101357-GB-EPA 101357-IT-EPA	EP0979015 EP0979015	99401987.5 99401987.5	EP0979015 EP0979015	GB IT	9-Nov-05 9-Nov-05			ACCESSING TO AN EXTERNAL NETWORK ACCESSING TO AN EXTERNAL NETWORK
101357	101357-US-NP	US6667958	09/362118	20030206526	us	23-Dec-03		28-Jul-99	ROUTING CALLS TO EXTERNAL NETWORKS FROM A PRIVATE NETWORK
101358	101358-US-NP	US6456710	09/307031		US	24-Sep-02		7-May-99	METHOD OF ACTIVATING A STATION
101359	101359-US-NP	US7639711	09/323135		US	29-Dec-09			PABX NETWORKING PROCEDE DE TRANSMISSION DE DONNEES DE
101360	101360-US-NP	US7031298	09/736158	20020031112	US	18-Apr-06		15-Dec-00	SIGNALISATION POSITIONING BY COMPUTING PSEUDO-SPEEDS IN A
101454	101454-US-NP	US6181275	09/320656		US	30-Jan-01	27-May-19	27-May-99	SATELLITE NAVIGATION SYSTEM
101454 101729	101454-EP-EPA 101729-DE-EPA	EP0987911	99401211.0 99402270.5	EP0961132 EP0987911	DE DE	9-Aug-06	20-May-19 16-Sep-19		LEO SATELLITE NAVIGATION SYSTEM SUPPORT OF SOLSA
101729	101729-FR-EPA	EP0987911	99402270.5	EP0987911	FR	9-Aug-06	16-Sep-19	16-Sep-99	SUPPORT OF SOLSA
101729 101729	101729-GB-EPA 101729-IT-EPA	EP0987911 EP0987911	99402270.5 99402270.5	EP0987911 EP0987911	GB IT	9-Aug-06 9-Aug-06		16-Sep-99 16-Sep-99	SUPPORT OF SOLSA SUPPORT OF SOLSA
101769	101769-US-NP	US6542461	09/313358	10307311	us	1-Apr-03		18-May-99	METHOD OF PROTECTING ATM CONNECTIONS IN A
101881	101881-DE-EPA	EP1009171	99403034.4	EP1009171	DE	27-Oct-04		6-Dec-99	TELECOMMUNICATIONS NETWORK Encapsulation of the network topology in a IN-TINA
					FR				gateway  Encapsulation of the network topology in a IN-TINA
101881	101881-FR-EPA	EP1009171	99403034.4	EP1009171		27-Oct-04		6-Dec-99	gateway  Encapsulation of the network topology in a IN-TINA
101881	101881-GB-EPA	EP1009171	99403034.4	EP1009171	GB	27-Oct-04	6-Dec-19	6-Dec-99	gateway
101881	101881-IT-EPA	EP1009171	99403034.4	EP1009171	п	27-Oct-04	6-Dec-19	6-Dec-99	Encapsulation of the network topology in a IN-TINA gateway
101881	101881-US-NP	US6683868	09/418313		US	27-Jan-04	14-Oct-19	14-Oct-99	GATEWAY MAKING IT POSSIBLE TO DEVELOP NEW SERVICES INDEPENDENTLY FROM THE UNDERLYING
									NETWORK
101970	101970-DE-EPA	EP1006686	99402641.7	EP1006686	DE	24-Aug-05	25-Oct-19	25-Oct-99	Verfahren und Vorrichtung zur Steuerung einer Frequenz durch ein asynchrones Übertragungsnetzwerk und Funktelefonienetzwerk, das die Vorrichtung verwendet
101970	101970-FR-EPA	EP1006686	99402641.7	EP1006686	FR	24-Aug-05	25-Oct-19	25-Oct-99	TRANSPORTATION OF A FREQUENCY
101970	101970-GB-EPA	EP1006686	99402641.7	EP1006686	GB	24-Aug-05			
101970	101970-US-NP	US6819685	09/443463		US	16-Nov-04	19-Nov-19	19-Nov-99	
102194	102194-US-NP	US6795218	09/527594		US	21-Sep-04	17-Mar-20	17-Mar-00	SYSTEM FOR REGULATING THE BIT RATE OR QUALITY OF A DIGITAL DATA COMPRESSOR, IN PARTICULAR AN IMAGE COMPRESSOR
102204	102204-US-PCT	US7477891	09/959749		US	13-Jan-09	23-Mar-20	23-Mar-00	PROCEDE DE PROTECTION RADIOELECTRIQUE
102204	102204-EP-EPA		00400783.7	EP1039771	EP		22-Mar-20	22-Mar-00	PROCEDE DE PROTECTION RADIOELECTRIQUE D'UNE ZONE CONTRE L'USAGE DE TELEPHONES MOBILES
102307	102307-DE-EPT	EP1224756	00993672.5	EP1224756	DE	9-Apr-08	26-Dec-20	26-Dec-00	MODULATION DE PHASE ALTERNEE POUR DES TRANSMISSIONS RZ OPTIQUES NON-SOLITONS
102307	102307-ES-EPT	EP1224756	00993672.5	EP1224756	ES	9-Apr-08	26-Dec-20	26-Dec-00	MODULATION DE PHASE ALTERNEE POUR DES TRANSMISSIONS RZ OPTIQUES NON-SOLITONS
102307	102307-FR-EPT	EP1224756	00993672.5	EP1224756	FR	9-Apr-08	26-Dec-20	26-Dec-00	MODULATION DE PHASE ALTERNEE POUR DES TRANSMISSIONS RZ OPTIQUES NON-SOLITONS
102307	102307-GB-EPT	EP1224756	00993672.5	EP1224756	GB	9-Apr-08	26-Dec-20	26-Dec-00	MODULATION DE PHASE ALTERNEE POUR DES
102307	102307-IT-EPT	EP1224756	00993672.5	EP1224756	п	9-Apr-08	26-Dec-20	26-Dec-00	TRANSMISSIONS RZ OPTIQUES NON-SOLITONS MODULATION DE PHASE ALTERNEE POUR DES
									DIFFERENTIAL OUTPUT STAGE FOR ELECTRONIC
102356	102356-US-NP	US6728373	09/637501		US	27-Apr-04	10-Jan-22	11-Aug-00	EQUIPMENT PROVIDING A REMOTE POWER FEED TO A TERMINAL
102428 102428	102428-DE-EPA 102428-FR-EPA	EP1085725 EP1085725	00402148.1 00402148.1	EP1085725 EP1085725	DE FR	2-Nov-11 2-Nov-11	27-Jul-20 27-Jul-20		INTELLIGENT PROXI DISPATCH MECHANISM. INTELLIGENT PROXI DISPATCH MECHANISM.
102428	102428-GB-EPA	EP1085725	00402148.1	EP1085725	GB	2-Nov-11			INTELLIGENT PROXI DISPATCH MECHANISM.
102428	102428-IT-EPA	EP1085725	00402148.1	EP1085725	П	2-Nov-11	27-Jul-20	27-Jul-00	INTELLIGENT PROXI DISPATCH MECHANISM.
102455	102455-US-NP	US7050722	09/810251		US	23-May-06	24-Nov-23	19-Mar-01	REGENERATEUR OPTIQUE SYNCHRONE PAR MODULATION D'INTENSITE ET MODULATION DE PHASE PAR EFFET KERR CROISE.
102469	102469-DE-EPT	EP1114544	00953229	EP1114544	DE	14-Jun-06	13-Jul-20	13-Jul-00	BASCULEMENT ATOMIQUE DE L'OBJET DESTINATAIRE ENTRE DEUX INVOCATIONS TRANSACTIONNELLES
102469	102469-ES-EPT	EP1114544	00953229	EP1114544	ES	14-Jun-06	13-Jul-20	13-Jul-00	BASCULEMENT ATO MIQUE DE L'OBJET DESTINATAIRE ENTRE DEUX INVOCATIONS TRANSACTIONNELLES
102469	102469-FR-EPT	EP1114544	00953229	EP1114544	FR	14-Jun-06	13-Jul-20	13-Jul-00	BASCULEMENT ATOMIQUE DE L'OBJET DESTINATAIRE ENTRE DEUX INVOCATIONS TRANSACTIONNELLES
102469	102469-GB-EPT	EP1114544	00953229	EP1114544	GB	14-Jun-06	13-Jul-20	13-Jul-00	BASCULEMENT ATOMIQUE DE L'OBJET DESTINATAIRE ENTRE DEUX INVOCATIONS TRANSACTIONNELLES
102469	102469-IT-EPT	EP1114544	00953229	EP1114544	п	14-Jun-06	13-Jul-20	13-Jul-00	BASCULEMENT ATOMIQUE DE L'OBJET DESTINATAIRE ENTRE DEUX INVOCATIONS TRANSACTIONNELLES
102554	102554-BE-EPA	EP1067733	99401686.3	EP1067733	BE	9-Apr-03	6-Jul-19	6-Jul- <del>99</del>	SCHEME FOR PACKET ALLOCATION IN A RADIOCOMMUNICATION SYSTEM
102554	102554-DE-EPA	EP1067733	99401686.3	EP1067733	DE	9-Apr-03	6-Jul-19	6-Jul-99	Concept des classes de puissance pour un schéma d'allocation de cellules.
102554	102554-FR-EPA	EP1067733	99401686.3	EP1067733	FR	9-Apr-03	6-Jul-19	6-Jul-99	SCHEME FOR PACKET ALLOCATION IN A
102554	102554-GB-EPA	EP1067733	99401686.3	EP1067733	GB	9-Apr-03		6-Jul-99	RADIOCOMMUNICATION SYSTEM  Concept des classes de puíssance pour un schéma
102554	102554-IT-EPA	EP1067733	99401686.3	EP1067733	п	9-Apr-03		6-Jul-99	d'allocation de cellules. Concept des classes de puissance pour un schéma
	10EJJ4-11-FLW	FL 1001122	>3401000.3	Ft 1001/33	P**	3-Apr-U3	0-Jul-19	0-Jul-99	d'allocation de cellules.

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FAMILY	Case Reference	GRANT NUMBER	Application Number	PUBLICATION NUMBER	COUNTRY	I SSUE DATE	EXPIRATION DATE	APPLICATION DATE	MILE
102554	102554-US-CNT	US7457268	10/985060	20050135414	US	25-Nov-08		10-Nov-04	SCHEME FOR PACKET ALLOCATION IN A
102628	102628-DE-EPA	EP1113598	00403065.6	EP1113598	DE	19-Feb-03		6-Nov-00	RADIOCOMMUNICATION SYSTEM DISPOSITIF DE COMPENSATION DE LA DISPERSION DE POLARISATION DANS UN SYSTEME DE TRANSMISSION OPTIQUE
102628	102628-FR-EPA	EP1113598	00403065.6	EP1113598	FR	19-Feb-03	6-Nov-20	6-Nov-00	OFFIQUE DISPOSITIF DE COMPENSATION DE LA DISPERSION DE POLARISATION DANS UN SYSTEME DE TRANSMISSION OPTIQUE
102628	102628-GB-EPA	EP1113598	00403065.6	EP1113598	GB	19-Feb-03	6-Nov-20	6-Nov-00	DISPOSITIF DE COMPENSATION DE LA DISPERSION DE POLARISATION DANS UN SYSTEME DE TRANSMISSION OPTIQUE
102628	102628-IT-EPA	EP1113598	00403065.6	EP1113598	П	19-Feb-03	6-Nov-20	6-Nov-00	DISPOSITIF DE COMPENSATION DE LA DISPERSION DE POLARISATION DANS UN SYSTEME DE TRANSMISSION OPTIQUE
102628	102628-JP-NP	JP4585115	2000402352	2001230728	JP	10-Sep-10	28-Dec-20	28-Dec-00	DISPOSITIF DE COMPENSATION DE LA DISPERSION DE POLARISATION DANS UN SYSTEME DE TRANSMISSION OPTIQUE
102628	102628-US-NP	US6690889	09/726038	20010006427	US	10-Feb-04	22-Mar-22	30-Nov-00	DEVICE FOR COMPENSATING POLARIZATION DISPERSION IN AN OPTICAL TRANSMISSION SYSTEM
102702	102702-US-NP	US7212533	09/871816	20020021666	US	1-May-07	23-Jan-24	4-Jun-01	A METHOD OF MANAGING A TELECOMMUNICATION NETWORK AND A NETWORK MANAGEMENT UNIT FOR IMPLEMENTING THE MEHTOD
102865	102865-FR-NP	FR2810842	0008154	2810842	FR	11-Oct-02	26-Jun-20	26-Jun-00	PROCEDE D'OBTENTION D'UNE REPRESENTATION GEOGRAPHIQUE DU TRAFIC DANS UN RESEAU DE RADIOCOMMUNICATION MOBILE
102936	102936-US-NP	US7110418	10/101322	20020146032	US	19-Sep-06	29-Oct-24	20-Mar-02	Method to ensure the quality of preferred communication services, a local network, a station, a local network controller and a program module therefor
102936	102936-EP-EPA		01440101.2	EP1249970	EP		10-Apr-21	10-Apr-01	A method to ensure the quality of preferred communication services, a local network, a station, a local network controller and a program module therefor
103010	103010-DE-EPA	EP1113682	00403626.5	EP1113682	DE	31-Jan-07	21-Dec-20	21-Dec-00	PROCEDE D'ETABLISSEMENT DE MODE DE FONCTIONNEMENT SANS DOUBLE TRANSCODAGE DANS UN SYSTEME CELLULAIRE DE RADIOCOMMUNICATIONS MOBILES.
103010	103010-FR-EPA	EP1113682	00403626.5	EP1113682	FR	31-Jan-07	21-Dec-20	21-Dec-00	PROCEDE D'ETABLISSEMENT DE MODE DE FONCTIONNEMENT SANS DOUBLE TRANSCODAGE DANS UN SYSTEME CELLULAIRE DE RADIOCOMMUNICATIONS MOBILES.
103010	103010-GB-EPA	EP1113682	00403626.5	EP1113682	GB	31-Jan-07	21-Dec-20	21-Dec-00	PROCEDE D'ETABLISSEMENT DE MODE DE FONCTIONNEMENT SANS DOUBLE TRANSCODAGE DANS UN SYSTEME CELLULAIRE DE RADIOCOMMUNICATIONS MOBILES.
103095	103095-US-PCT	US7620967	10/296145	20040034682	US	17-Nov-09	28-Dec-26	23-May-01	A METHOD OF BROADCASTING MULTIMEDIA INFORMATION ITEMS, A RECEIVER OF MULTIMEDIA INFORMATION ITEMS BROADCAST BY MEANS OF THE METHOD, AND A USER INTERFACE FOR CONSULTING THE INFORMATION ITEMS
103102	103102-US-NP	US7131109	09/888449	20020029375	US	31-Oct-06	2-Jun-23	26-Jun-01	A METHOD OF MANAGING INFORMATION IN JAVA
103102	103102-FR-NP	FR2810755	0008243	2810755	FR	17-Jan-03	27-Jun-20	27-Jun-00	PROCEDE DE GESTION D'INFORMATIONS EN JAVA
103110	103110-DE-EPA	EP1195970	01402390.7	EP1195970	DE	25-Apr-12	18-Sep-21	18-Sep-01	EQUIPEMENT DE TELECOMMUNICATION PERMETTANT LA MIGRATION DU CONTROLE D'APPEL
103110	103110-ES-EPA	EP1195970	01402390.7	EP1195970	ES	25-Apr-12	18-Sep-21	18-Sep-01	EQUIPEMENT DE TELECOMMUNICATION PERMETTANT LA MIGRATION DU CONTROLE D'APPEL
103110	103110-FR-EPA	EP1195970	01402390.7	EP1195970	FR	25-Apr-12	18-Sep-21	18-Sep-01	EQUIPEMENT DE TELECOMMUNICATION PERMETTANT LA MIGRATION DU CONTROLE D'APPEL
103110	103110-GB-EPA	EP1195970	01402390.7	EP1195970	GB	25-Apr-12	18-Sep-21	18-Sep-01	EQUIPEMENT DE TELECOMMUNICATION PERMETTANT LA MIGRATION DU CONTROLE D'APPEL
103110	103110-IT-EPA	EP1195970	01402390.7		П	25-Apr-12		18-Sep-01	EQUIPEMENT DE TELECOMMUNICATION PERMETTANT LA MIGRATION DU CONTROLE D'APPEL Telecommunication Equipment Unit Enabling Call
103110	103110-US-NP	US8510414	09/969579	20020055354	US	13-Aug-13	13-Jun-26	4-Oct-01	Control Migration PROCEDE DE MISE EN COMMUNICATION EN ACCORD
103124	103124-DE-EPA	EP1193946	01402024.2	EP1193946	DE	16-Sep-09	26-Jul-21	26-Jul-01	AVEC UN ENSEMBLE PREDETERMINE DE CARACTERISTIQUES ET/OU DE SERVICES REQUIS ET RESEAU CORRESPONDANT
103124	103124-FR-EPA	EP1193946	01402024.2	EP1193946	FR	16-Sep-09	26-Jul-21	26-Jul-01	PROCEDE DE MISE EN COMMUNICATION EN ACCORD AVEC UN ENSEMBLE PREDETERMINE DE CARACTERISTIQUES ET/OU DE SERVICES REQUIS ET RESEAU CORRESPONDANT
103124	103124-GB-EPA	EP1193946	01402024.2	EP1193946	GB	16-Sep-09	26-Jul-21	26-Jul-01	PROCEDE DE MISE EN COMMUNICATION EN ACCORD AVEC UN ENSEMBLE PREDETERMINE DE CARACTERISTIQUES ET/OU DE SERVICES REQUIS ET RESEAU CORRESPONDANT
103124	103124-US-PCT	US7170899	10/089168	20020150111	US	30-Jan-07	31-Jan-24	26-Jul-01	A METHOD OF SETTING UP A CALL WITH A PREDETERMINED SET OF REQUIREED SERVICES AND/OR CHARACTERISTICS,AND CORRESONDING NETWORK
103142	103142-US-NP	US7113483	10/090748	20020131367	US	26-Sep-06	2-Dec-24	6-Mar-02	A DICHOTOMY-BASED METHOD OF TRACING A ROUTE BETWEEN TWO NODES OF A DATA NETWORK
103282	103282-DE-EPA	EP1199832	01402726.2	EP1199832	DE	1-Apr-09	19-Oct-21	19-Oct-01	PROCEDE DE TRANSMISSION SECURISE EVITANT LES RETRANSMISSION INUTILES
103282	103282-FR-EPA	EP1199832	01402726.2	EP1199832	FR	1-Apr-09	19-Oct-21	19-Oct-01	PROCEDE DE TRANSMISSION SECURISE EVITANT LES RETRANSMISSION INUTILES
103282	103282-GB-EPA	EP1199832	01402726.2	EP1199832	GB	1-Apr-09	19-Oct-21	19-Oct-01	PROCEDE DE TRANSMISSION SECURISE EVITANT LES RETRANSMISSION INUTILES

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	Case Reference	Grant Number	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION	TITLE
103389	103389-CN-PCT	ZL100531036	02803447.3	1484903	CN	19-Aug-09	3-Jan-22		DISPOSITIF DE DIFFUSION OPTIMISE D'INFORMATIONS DANS UN SYSTEME DE
103389	103389-FR-NP	FR2819075	0100078	2819075	FR	18-Apr-03	4-Jan-21	4-Jan-01	TELECOMMUNICATION  DEVICE FOR THE OPTIMIZED TRANSMISSION OF INFORMATION IN A TELECOMMUNICATION SYSTEM
103389	103389-US-PCT	US7333770	10/250480	20040223459	US	19-Feb-08	21-Sep-23	3-Jan-02	A DEVICE FOR OPTIMUM BROADCASTING OF INFORMATION IN A TELECOMMUNICATION SYSTEM
103566	103566-US-NP	US7406045	10/117045	20020146012	US	29-Jul-08	8-Nov-24	8-Apr-02	POINT DE DECISION D'AUTORISATION MODULAIRE POUR TRAITER DES REQUETES DE RESERVATIONS DE RESSOURCES, AU SEIN D'UN RESEAU DE DONNEES
103573	103573-CN-PCT	ZL02821407.2	02821407.2	1579061	CN	21-Feb-07	26-Sep-22	26-Sep-02	SYSTEME DE DEMULTIPLEXAGE OPTIQUE DE BANDES DE LONGUEURS D'ONDES
103573	103573-FR-NP1	FR2830145	0113102	2830145	FR	16-Apr-04	11-Oct-21	11-Oct-01	SYSTEME DE DEMULTIPLEXAGE OPTIQUE DE BANDES DE LONGUEURS D'ONDES
103573	103573-US-PCT	US7085447	10/491147		US	1-Aug-06	26-Nov-22	26-Sep-02	A SYSTEM FOR OPTICAL DEMULTIPLEXING WAVELENGTH BANDS
103599	103599-US-NP	US7103801	10/285437	20030088669	US	5-Sep-06	3-May-24	1-Nov-02	A METHOD AND APPARATUS FOR ANALYZING ALARMS COMING FROM A COMMUNICATIONS NETWORK
103633	103633-US-NP	US7385943	10/142052	20020176398	us	10-Jun-08	30-Nov-24	10-May-02	PROCEDE D'ATTRIBUTION DE RESSOURCES EN COMMUNICATION DANS UN SYSTEME DE TELECOMMUNICATIONS DU TYPE MF-TDMA
103715	103715-US-PCT	US6930642	10/478859	20040155823	US	16-Aug-05	10-Jun-22	10-Jun-02	A COMPACT MULTIBAND ANTENNA ANTENNE COMPACTE MULTIBANDE POUR
103715	103715-FR-NP	FR2825837	0107689	2825837	FR	8-Sep-06	12-Jun-21	12-Jun-01	TERMINAUX PORTABLES  Method for synchronizing terrestrial nodes
103787	103787-CN-NP	ZL1188000	02142530.2	1414800	CN	2-Feb-05	20-Sep-22	20-Sep-02	equippped with GNSS receivers and belonging to a terrestrial network
103787	103787-DE-EPA	EP1296467	01440313.3	EP1296467	DE	25-Feb-04	24-Sep-21	24-Sep-01	Method for synchronizing terrestrial nodes equippped with GNSS receivers and belonging to a terrestrial network
103787	103787-ES-EPA	EP1296467	01440313.3	EP1296467	ES	25-Feb-04	24-Sep-21	24-Sep-01	Method for synchronizing terrestrial nodes equippped with GNSS receivers and belonging to a terrestrial network
103787	103787-FR-EPA	EP1296467	01440313.3	EP1296467	FR	25-Feb-04	24-Sep-21	24-Sep-01	terrestrial network
103787	103787-GB-EPA	EP1296467	01440313.3	EP1296467	GB	25-Feb-04	24-Sep-21	24-Sep-01	terrestrial network
103787	103787-IT-EPA	EP1296467	01440313.3	EP1296467	п	25-Feb-04	24-Sep-21	24-Sep-01	Method for synchronizing terrestrial nodes equippped with GNSS receivers and belonging to a terrestrial network
103787	103787-US-NP	US7330458	10/237956	20030058834	US	12-Feb-08	19-Jan-26	10-Sep-02	Method for synchronizing terrestrial nodes equippped with GNSS receivers and belonging to a terrestrial network
103825	103825-US-NP	US6991151	10/712357	20040108363	US	31-Jan-06	14-Nov-23	14-Nov-03	METHOD OF FABRICATING AN ELECTRONIC MODULE COMPRISING AN ACTIVE COMPONENT ON A BASE
103825	103825-DE-EPA	EP1427008	03292810.3	EP1427008	DE	23-Apr-08	10-Nov-23	10-Nov-03	PROCEDE DE FABRICATION D'UN MODULE ELECTRONIQUE COMPORTANT UN COMPOSANT ACTIF SUR UNE EMBASE
103825	103825-FR-EPA	EP1427008	03292810.3	EP1427008	FR	23-Apr-08	10-Nov-23	10-Nov-03	PROCEDE DE FABRICATION D'UN MODULE ELECTRONIQUE COMPORTANT UN COMPOSANT ACTIF SUR UNE EMBASE
103825	103825-GB-EPA	EP1427008	03292810.3	EP1427008	GB	23-Apr-08	10-Nov-23	10-Nov-03	PROCEDE DE FABRICATION D'UN MODULE ELECTRONIQUE COMPORTANT UN COMPOSANT ACTIF SUR UNE EMBASE
103861	103861-DE-EPA	EP1383256	03291662.9	EP1383256	DE	18-Oct-06	4-Jul-23	4-Jul-03	PROCEDES DE REALISATION ET D'AMELIORATION D'UNE LIGNE DE TRANSMISSION OPTIQUE ET MODULES DE COMPENSATION ASSOCIES
103861	103861-FR-EPA	EP1383256	03291662.9	EP1383256	FR	18-Oct-06	4-Jul-23	4-Jul-03	PROCEDES DE REALISATION ET D'AMELIORATION D'UNE LIGNE DE TRANSMISSION OPTIQUE ET MODULES DE COMPENSATION ASSOCIES
103861	103861-GB-EPA	EP1383256	03291662.9	EP1383256	GB	18-Oct-06	4-Jul-23	4-Jul-03	PROCEDES DE REALISATION ET D'AMELIORATION D'UNE LIGNE DE TRANSMISSION OPTIQUE ET MODULES DE COMPENSATION ASSOCIES
103861	103861-US-NP	US7187824	10/620369	20040028325	US	6-Mar-07	27-Sep-23	17-Jul-03	A METHOD OF PRODUCING AND IMPROVING AN OPTICAL TRANSMISSION LINE, AND ASSOCIATED COMPENSATION MODULES
103861	103861-CN-NP	ZL03145985.4	03145985.4	1479458	CN	2-Apr-08	18-Jul-23	18-Jul-03	PROCEDES DE REALISATION ET D'AMELIORATION D'UNE LIGNE DE TRANSMISSION OPTIQUE ET MODULES DE COMPENSATION ASSOCIES
103935	103935-CN-PCT	ZL02802648.9	02802648.9	1526224	CN	28-Apr-10	5-Sep-22	5-Sep-02	PASSERELLE PROTOCOLAIRE ENTRE UN TERMINAL H.323 ET UN AUTRE TERMINAL, SANS MISE EN DEUVRE DU ROLE DE MAITRE
103935	103935-FR-NP	FR2829649	0111850	2829649	FR	30-Jan-04	13-5ep-21	13-Sep-01	PASSERELLE PROTOCOLAIRE ENTRE UN TERMINAL H.323 ET UN AUTRE TERMINAL, SANS MISE EN DEUVRE DU ROLE DE MAITRE
103935	103935-JP-PCT	JP4183616	2003527959	2005503072	JP	12-Sep-08	5-Sep-22	5-Sep-02	PASSERELLE PROTOCOLAIRE ENTRE UN TERMINAL H.323 ET UN AUTRE TERMINAL, SANS MISE EN DEUVRE DU ROLE DE MAITRE
103935	103935-US-PCT	US7417994	10/398935	20030189939	US	26-Aug-08	21-Apr-25	5-Sep-02	IMPLEMENTATION OF THE ROLE OF MASTER
103941	103941-US-NP	US7961608	10/361491	20030152029	US	14-Jun-11	22-Mar-30	11-Feb-03	CONTROL FOR ADMISSION TO A DATA NETWORK FOR PROVIDING SERVICE QUALITY
103952	103952-CN-NP	ZL02154849.8	02154849.8	1423457A	CN	18-Apr-07	2-Dec-22	2-Dec-02	PROCEDE DE DETERMINATION DE TENDANCE DE SERVICE
103952	103952-DE-EPA	EP1317114	02292776.8	EP1317114	DE	27-Feb-13	7-Nov-22	7-Nov-02	PROCEDE DE DETERMINATION DE TENDANCE DE SERVICE
103952	103952-FR-EPA	EP1317114	02292776.8	EP1317114	FR	27-Feb-13	7-Nov-22	7-Nov-02	PROCEDE DE DETERMINATION DE TENDANCE DE SERVICE

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1987    1987	FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE		APPLICATION DATE	TITLE
										PROCEDE DE DETERMINATION DE TENDANCE DE
1879-1969   1879										
1997   1997   1998										DETERMINING THE PROBABLE CAUSE OF A
March   Marc	104031	104031-FR-NP	FR2841425	020762 <del>9</del>	2841425	FR	24-Sep-04	20-Jun-22	20-Jun-02	CONFIGURATION DE SERVICE A UN DISPOSITIF DE TELEPHONE MOBILE, PAR UN TERMINAL
1807-75   1807-75-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-	104248	104248-US-NP	US8031723	10/418094	20040090957	US	4-Oct-11	10-Aug-26	18-Apr-03	
March   Marc	104255	104255-US-NP	US7107050	10/372845	20030166401	US	12-Sep-06	12-Dec-23	26-Feb-03	A RESOURCE MANAGER FOR A SATELLITE
March   Marc	104272	104272-US-NP	US7991993	10/403083	20030188159	US	2-Aug-11	21-Jul-26	1-Apr-03	
1995   1995	104356	104356-CN-NP		200310103280.0	1501745	CN	22-Jul-09	4-Nov-23	4-Nov-03	L'ITINERANCE DES TELEPHONES MOBILES
1905    1905    1905    1906	104356	104356-DE-EPA	EP1420607	03292656.0	EP1420607	DE	23-Mar-11	24-Oct-23	24-Oct-03	
19355   1935-6-PFPA   1935000   19320500	104356	104356-FR-EPA	EP1420607	03292656.0	EP1420607	FR	23-Mar-11	24-Oct-23	24-Oct-03	L'ITINERANCE DES TELEPHONES MOBILES
199244   19924-1996   19224-199	104356	104356-GB-EPA	EP1420607	03292656.0	EP1420607	GB	23-Mar-11	24-Oct-23	24-Oct-03	L'ITINERANCE DES TELEPHONES MOBILES
1995   1995	104382	104382-FR-NP	FR2832897	0115228	2832897	FR	27-Feb-04	23-Nov-21	23-Nov-01	
190544   19064145799	104544	104544-FR-NP	FR2843260	0209741	2843260	FR	2-Apr-05	31-Jul-22	31-Jul-02	
195556   19555-19594   1971-19555   29500018   1971-1957   198   21-40-004   190-0-12	104544	104544-US-NP	US8055742	10/629682	20040054769	US	8-Nov-11	19-Oct-26	30-Jul-03	Networks And Implementing Services On The
19556   19556-GEPFA										
193564   1935-19-19-19-19-19-19-19-19-19-19-19-19-19-										
1905/57   1905/574-PA										
105567   105567-8EPPA   P\$359610   02302625.1   P\$359610   P\$35961										
1965/7   1965/14-9P					EP1394910	FR			26-Aug-02	Raman-Active Optical Fiber
194572 1947745-NP US7371627 1Q/705817 200017088 US 30-0e-08 4-0e-25 13-No-08 RESALP DOLL USASSON RESALPS US US ASSOCIATED RESALPS US ASSOCIA	104567	104567-GB-EPA	EP1394910	02360245.1	EP1394910	GB	26-Dec-12	26-Aug-22	26-Aug-02	Raman-Active Optical Fiber
194572   19457245-NP	104567	104567-US-NP	US7008892	10/617212	20040053768	US	7-Mar-06	22-Dec-23	11-Jul-03	Raman-Active Optical Fiber
10669   10666-DE-PA	104572	104572-US-NP	US7471627	10/705837	20040170183	US	30-Dec-08	4-Dec-25	13-Nov-03	RESEAU POUR UN RESEAU DE COMMUNICATIONS A PROTOCOLE DE NIVEAU SOUS-IP
104669   104669-0F-PA	104577	104577-US-NP	US6813428	10/098127	20020131741	US	2-Nov-04	27-Apr-22	15-Mar-02	SURFACE AREA
104669   104669-R-PA	104669	104669-DE-EPA	EP1523127	04292326.8	EP1523127	DE	29-Nov-06	29-Sep-24	29-Sep-04	LOCAL, A CONTROLE DE RACCORDEMENT A UN TERMINAL DE COMMUNICATION
104669	104669	104669-FR-EPA	EP1523127	04292326.8	EP1523127	FR	29-Nov-06	29-Sep-24	29-Sep-04	LOCAL, A CONTROLE DE RACCORDEMENT A UN TERMINAL DE COMMUNICATION
104669   104669-H-EPA	104669	104669-GB-EPA	EP1523127	04292326.8	EP1523127	GB	29-Nov-06	29-Sep-24	29-Sep-04	LOCAL, A CONTROLE DE RACCORDEMENT A UN TERMINAL DE COMMUNICATION
104669   104669-US-NP	104669	104669-IT-EPA	EP1523127	04292326.8	EP1523127	п	29-Nov-06	29-Sep-24	29-Sep-04	LOCAL, A CONTROLE DE RACCORDEMENT A UN TERMINAL DE COMMUNICATION
104655 104685-DE-EPA EP1432184 03292852.5 PP1432184 DE 18-Apr-12 17-Nov-23 17-Nov-23 COMMUTATION DANS UN RESEAU DE 104685 104685-FR-EPA EP1432184 03292852.5 PP1432184 FR 18-Apr-12 17-Nov-23 17-Nov-23 COMMUTATION DANS UN RESEAU DE 104685 104685-GR-EPA EP1432184 03292852.5 PP1432184 FR 18-Apr-12 17-Nov-23 1	104669	104669-US-NP	US7231535	10/959160		US	12-Jun-07	30-Mar-25	7-Oct-04	LOCAL, A CONTROLE DE RACCORDEMENT A UN TERMINAL DE COMMUNICATION
104685	104685	104685-DE-EPA	EP1432184	03292852.5	EP1432184	DE	18-Apr-12	17-Nov-23	17-Nov-03	COMMUTATION DANS UN RESEAU DE COMMUNICATIONS A COMMUTATION D'ETIQUETTES, EN PRESENCE D'ATTRIBUTS DE SELECTION
104685 PEPA EP1432184 03292852.5 PP1432184 GB 18-Apr-12 17-Nov-23 17-Nov-23 COMMUNICATIONS A COMMUNICATION SA COMMUNICATION DE CLEMENTS DE SELECTION  104685 US7443832 10/735895 20040190490 US 28-Oct-08 27-Oct-26 16-Dec-09 COMMUNICATION DAS COMMUNICATION DE COMMUNICATION DE COMMUNICATION DA COMMUNICATION DE COMMUNICATION DA COMMUNICATION DA COMMUNICATION DE COMMUNICATION DA COMMUNICATION DE COMMUNICATION DA COMMUNICATION DE COMMUNICATION DA COMMUNICATION DE COMM	104685	104685-FR-EPA	EP1432184	03292852.5	EP1432184	FR	18-Apr-12	17-Nov-23	17-Nov-03	COMMUTATION DANS UN RESEAU DE COMMUNICATIONS A COMMUTATION D'ETIQUETTES, EN PRESENCE D'ATTRIBUTS DE
104685 US-NP US7443832 10/735895 20040190490 US 28-Oct-08 27-Oct-26 16-Dec-03 COMMUTATION DAYS UN RESEAU DE COMMUNICATION DE	104685	104685-GB-EPA	EP1432184	03292852.5	EP1432184	GB	18-Apr-12	17-Nov-23	17-Nov-03	COMMUTATION DANS UN RESEAU DE COMMUNICATIONS A COMMUTATION D'ETIQUETTES, EN PRESENCE D'ATTRIBUTS DE
104716 104716-US-NP US/383604 10/762301 20US0022180 US 1-Sep-U9 16-Jan-27 23-Jan-U9 PARAMETERS IN A TELECOMMUNICATION NETWORI 104778 104778-DE-EPA EP1401252 03292275.9 EP1401252 DE 16-Apr-08 16-Sep-23 16-Sep-03 ARMOIRE CLIMATISE PERFECTIONNEE POUR EQUIPEMENTS, NOTAMMENT DE TELEPHONIE 104778 104778-GB-EPA EP1401252 03292275.9 EP1401252 GB 16-Apr-08 16-Sep-23 16-Sep-03 ARMOIRE CLIMATISE PERFECTIONNEE POUR EQUIPEMENTS, NOTAMMENT DE TELEPHONIE 104778 104778-GB-EPA EP1401252 03292275.9 EP1401252 GB 16-Apr-08 16-Sep-23 16-Sep-03 ARMOIRE CLIMATISE PERFECTIONNEE POUR EQUIPEMENTS, NOTAMMENT DE TELEPHONIE 104778 104778-GB-EPA EP1401252 03292275.9 EP1401252 GB 16-Apr-08 16-Sep-23 16-Sep-03 ARMOIRE CLIMATISE PERFECTIONNEE POUR EQUIPEMENTS, NOTAMMENT DE TELEPHONIE 104778 104778-GB-EPA EP1401252 03292275.9 EP1401252 GB 16-Apr-08 16-Sep-23 16-Sep-03 ARMOIRE CLIMATISE PERFECTIONNEE POUR EQUIPEMENTS, NOTAMMENT DE TELEPHONIE 104778-GB-EPA EP1401252 03292275.9 EP1401252 GB 16-Apr-08 16-Sep-23 16-Sep-03 ARMOIRE CLIMATISE PERFECTIONNEE POUR EQUIPEMENTS, NOTAMMENT DE TELEPHONIE POUR EQ	104685	104685-US-NP	US7443832	10/735895	20040190490	US	28-Oct-08	27-Oct-26	16-Dec-03	COMMUTATION DANS UN RESEAU DE COMMUNICATIONS A COMMUTATION D'ETIQUETTES, EN PRESENCE D'ATTRIBUTS DE
1047/8 1047/8-DE-EPA EP140122 03292275.9 EP1401252 DE 10-Apr-08 10-Sep-23 10-Sep-3 EQUIPEMENTS, NOTAMMENT DE TELEPHONIE 1047/8 1047/8-GB-EPA EP1401252 03292275.9 EP1401252 FR 16-Apr-08 16-Sep-23 16-Sep-03 ARMOIRE CLIMATISE PERFECTIONNEE POUR EQUIPEMENTS, NOTAMMENT DE TELEPHONIE 1047/8 1047/8-GB-EPA EP1401252 03292275.9 EP1401252 GB 16-Apr-08 16-Sep-23 16-Sep-03 ARMOIRE CLIMATISE PERFECTIONNEE POUR EQUIPEMENTS, NOTAMMENT DE TELEPHONIE 1047/8 1047/8-GB-EPA EP1401252 03292275.9 EP1401252 GB 16-Apr-08 16-Sep-23 16-Sep-03 ARMOIRE CLIMATISE PERFECTIONNEE POUR EQUIPEMENTS, NOTAMMENT DE TELEPHONIE 1047/8 1047/8-GB-EPA EP1401252 03292275.9 EP1401252 GB 16-Apr-08 16-Sep-23 16-Sep-03 ARMOIRE CLIMATISE PERFECTIONNEE POUR EQUIPEMENTS, NOTAMMENT DE TELEPHONIE 1047/8 1047/8-GB-EPA EP1401252 03292275.9 EP1401252 GB 16-Apr-08 16-Sep-23 16-Sep-03 ARMOIRE CLIMATISE PERFECTIONNEE POUR EQUIPEMENTS, NOTAMMENT DE TELEPHONIE 1047/8 1047/8-GB-EPA EP1401252 03292275.9 EP1401252 GB 16-Apr-08 16-Sep-23 16-Sep-03 ARMOIRE CLIMATISE PERFECTIONNEE POUR EQUIPEMENTS, NOTAMMENT DE TELEPHONIE 1047/8 1047/8-GB-EPA EP1401252 03292275.9 EP1401252 GB 16-Apr-08 16-Sep-23 16-Sep-03 ARMOIRE CLIMATISE PERFECTIONNEE POUR EQUIPEMENTS, NOTAMMENT DE TELEPHONIE 1047/8 1047/8-GB-EPA EP1401252 03292275.9 EP1401252 GB 16-Apr-08 16-Sep-23 16-Sep-03 ARMOIRE CLIMATISE PERFECTIONNEE POUR EQUIPEMENTS, NOTAMMENT DE TELEPHONIE 1047/8 1047/8-GB-EPA EP1401252 03292275.9 EP1401252 GB 16-Apr-08 16-Sep-23 16-Sep-03 ARMOIRE CLIMATISE PERFECTIONNEE POUR EQUIPEMENTS, NOTAMMENT DE TELEPHONIE 1047/8 1047/8-GB-EPA EP1401252 03292275.9 EP1401252 GB 16-Apr-08 16-Sep-23 16-Sep-03 ARMOIRE CLIMATISE PERFECTIONNEE POUR EQUIPEMENTS, NOTAMMENT DE TELEPHONIE 1047/8 1047/8-GB-EPA EP1401252 03292275.9 EP1401252 GB 16-Apr-08 16-Sep-23 16-Sep-03 ARMOIRE CLIMATISE PERFECTIONNEE POUR EQUIPEMENTS, NOTAMMENT DE TELEPHONIE 1047/8 1047/8-GB-EPA EP1401252 03292275.9 EP1401252 GB 16-Apr-08 16-Sep-23 16-Sep-23 16-Sep-03 ARMOIRE CLIMATISE PERFECTIONNEE POUR EQUIPEMENTS, NOTAMMENT DE TELEPHONIE 1047/8 1	104716	104716-US-NP	US7583604	10/762301	20050022180	US	1-Sep-09	16-Jan-27	23-Jan-04	PROBE FOR MEASURING QUALITY OF SERVICE PARAMETERS IN A TELECOMMUNICATION NETWORK
104778 104778-FR-EPA EP1401252 03292275.9 EP1401252 FR 16-Apr-08 16-Sep-23 16-Sep-03 ARMOIRE CLIMATISEE PERFECTIONNEE POUR EQUIPEMENTS, NOTAMMENT DE TELEPHONIE POUR EQUIPEMENT POUR EQUIPEMENTS, NOTAMMENT DE TELEPHONIE POUR EQUIPEMENT POUR E	104778	104778-DE-EPA	EP1401252	03292275.9	EP1401252	DE	16-Apr-08	16-Sep-23	16-Sep-03	
104778	104778	104778-FR-EPA	EP1401252	03292275.9	EP1401252	FR	16-Apr-08	16-Sep-23	16-Sep-03	ARMOIRE CLIMATISEE PERFECTIONNEE POUR
PROCEDE ET DISPOSITIF PERFECTIONNES DE 19.00-05 19.00-73 19.00-73 19.00-05 CONTROLE DE LA PUISSANCE DELIVREE EN SORTIE	104778	104778-GB-EPA	EP1401252	03292275.9	EP1401252	GB	16-Apr-08	16-Sep-23	16-Sep-03	ARMOIRE CLIMATISEE PERFECTIONNEE POUR
COMMUTATION DE BANDES DE LONGUEURS D'OND	104901	104901-DE-EPA	EP1434376	03293232.9	EP1434376	DE	19-Apr-06	19-Dec-23	19-Dec-03	PROCEDE ET DISPOSITIF PERFECTIONNES DE CONTROLE DE LA PUISSANCE DELIVREE EN SORTIE

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FAMILY	Case Reference	GHANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	HTLE
104901	104901-FR-EPA	EP1434376	03293232.9	EP1434376	FR	19-Apr-06	19-Dec-23	19-Dec-03	PROCEDE ET DISPOSITIF PERFECTIONNES DE CONTROLE DE LA PUISSANCE DELIVREE EN SORTIE D'UN NOEUD D'UN RESEAU OPTIQUE A COMMUTATION DE BANDES DE LONGUEURS D'ONDE
104901	104901-GB-EPA	EP1434376	03293232.9	EP1434376	GB	19-Apr-06	19-Dec-23	19-Dec-03	PROCEDE ET DISPOSITIF PERFECTIONNES DE CONTROLE DE LA PUISSANCE DELIVREE EN SORTIE D'UN NOEUD D'UN RESEAU OPTIQUE A COMMUTATION DE BANDES DE LONGUEURS D'ONDE
104901	104901-US-NP	US7248799	10/742786	20050276563	US	24-Jul-07	27-Jul-25	23-Dec-03	PROCEDE ET DISPOSITIF PERFECTIONNES DE CONTROLE DE LA PUISSANCE DELIVREE EN SORTIE D'UN NOEUD D'UN RESEAU OPTIQUE A COMMUTATION DE BANDES DE LONGUEURS D'ONDE
104939	104939-IL-PCT	IL171825	171825	171825	IL	31-Mar-11	6-May-24	6-May-04	GESTION DE RESSOURCES D'UN RESEAU DE COMMUNICATIONS DE TYPE POINT A MULTIPOINT OU MULTIPOINT, PAR DEUX NIVEAUX D'ALLOCATION
104939	104939-US-PCT	US7515547	10/556405	20060221909	US	7-Apr-09	23-Dec-25	6-May-04	GESTION DE RESSOURCES D'UN RESEAU DE COMMUNICATIONS DE TYPE POINT A MULTIPOINT OU MULTIPOINT, PAR DEUX NIVEAUX D'ALLOCATION
104972	104972-US-NP	US6985654	10/829180	20040213513	US	10-Jan-06	24-Apr-24	22-Apr-04	DEVICE AND A METHOD FOR TRANSFORMING SIGNAL PROPAGATION MODE BY INTERFERENCE
104994	104994-FR-NP	FR2857543	0308306	2857543	FR	19-Jan-07			NE POLICY ADAPTATION AT THE EML USE OF A COMMUNICATIONS NETWORK ELEMENT
104994	104994-US-NP	US7756960	10/884972	20050010659	US	13-Jul-10	15-Jan-27	/-Jul-04	MANAGEMENT SYSTEM TO MANAGE NETWORK POLICY RULES METHODS FOR IMPROVED HANDLING OF IMA LINK
105083	105083-DE-EPA	EP1545071	03293249.3	EP1545071	DE	8-Jul-09	19-Dec-23	19-Dec-03	FAILURES, ESPECIALLY FOR UMTS RNC-NodeB LINKS
105083	105083-FR-EPA	EP1545071	03293249.3	EP1545071	FR	8-Jul-09	19-Dec-23	19-Dec-03	METHODS FOR IMPROVED HANDLING OF IMA LINK FAILURES, ESPECIALLY FOR UMTS RNC-NodeB LINKS
105083	105083-GB-EPA	EP1545071	03293249.3	EP1545071	GB	8-Jul-09	19-Dec-23	19-Dec-03	METHODS FOR IMPROVED HANDLING OF IMA LINK FAILURES, ESPECIALLY FOR UMTS RNC-NodeB LINKS
105114	105114-CN-NP	ZL200410005288 .8	200410005288.8	CN1520126A	CN	12-Feb-14	29-Jan-24	29-Jan-04	Link Quality Method To Rely On The Downlink Reported Block Error Rate In Egprs Ric Unacknowledged Mode
105114	105114-FR-NP	FR2850516	0301017	2850516	FR	3-Jun-05	29-Jan-23	29-Jan-03	LINK QUALITY METHOD TO RELY ON THE DOWNLINK REPORTED BLOCK ERROR RATE IN EGPRS RLC UNACKNOWLEDGED MODE
105132	105132-CN-PCT	ZL200480023357 .6	200480023357.6	1836173	CN	11-Nov-09	28-Jun-24	28-Jun-04	SERVEUR DE DONNEES UTILISE DANS UN SYSTEME POUR LA FOURNITURE DE DONNEES D'AUGMENTATION POUR LES SIGNAUX DE NAVIGATION PAR SATELLITE
105132	105132-US-PCT	US7647173	10/563227	20060161347	US	12-Jan-10	13-Oct-25	28-Jun-04	SERVEUR DE DONNEES UTILISE DANS UN SYSTEME POUR LA FOURNITURE DE DONNEES D'AUGMENTATION POUR LES SIGNAUX DE NAVIGATION PAR SATELLITE
105132	105132-DE-EPA	EP1494042	04291627.0	EP1494042	DE	21-Dec-11	28-Jun-24	28-Jun-04	SERVEUR DE DONNEES UTILISE DANS UN SYSTEME POUR LA FOURNITURE DE DONNEES D'AUGMENTATION POUR LES SIGNAUX DE NAVIGATION PAR SATELLITE
105132	105132-FR-EPA	EP1494042	04291627.0	EP1494042	FR	21-Dec-11	28-Jun-24	28-Jun-04	SERVEUR DE DONNEES UTILISE DANS UN SYSTEME POUR LA FOURNITURE DE DONNEES D'AUGMENTATION POUR LES SIGNAUX DE NAVIGATION PAR SATELLITE
105132	105132-GB-EPA	EP1494042	04291627.0	EP1494042	GB	21-Dec-11	28-Jun-24	28-Jun-04	SERVEUR DE DONNEES UTILISE DANS UN SYSTEME POUR LA FOURNITURE DE DONNEES D'AUGMENTATION POUR LES SIGNAUX DE NAVIGATION PAR SATELLITE
105202	105202-CN-NP	ZL200410073942 .9	200410073942.9	1592210	CN	18-Mar-09	6-Sep-24	6-Sep-04	DISPOSITIF DE TRAITEMENT DE MESURES DE PARAMETRES ET/OU DE TRAFICS, EN VUE D'UNE COMPTABILISATION LOCALE DE L'UTILISATION DE RESSOURCES, POUR UN EQUIPEMENT DE RESEAU DE COMMUNICATIONS
105202	105202-EP-EPA		04292145.2	EP1513287	EP		1-Sep-24	1-Sep-04	DISPOSITIF DE TRAITEMENT DE MESURES DE PARAMETRES ET/OU DE TRAFICS, EN VUE D'UNE COMPTABILISATION LOCALE DE L'UTILISATION DE RESSOURCES, POUR UN EQUIPEMENT DE RESEAU DE COMMUNICATIONS
105202	105202-FR-NP	FR2859588	0310503	2859588	FR	19-May-06	5-Sep-23	5-Sep-03	POLICY BASED ACCOUNTING EMBEDDED IN EDGE AND ACCESS NODES
105202	105202-US-NP	US9032056	10/932053	20050055440	US	12-May-15	21-Jun-30	2-Sep-04	Device For Processing The Measurements Of Parameters And/Or Of Traffic Streams, For Local Accounting Of The Use Of Resources, For An Equipment Element In A Communication Network
105215	105215-US-PCT	US8593949	11/57103 <del>9</del>	20080285570	US	26-Nov-13	12-May-30	23-Jun-05	Method For Managing An Interconnection Between Telecommunication Networks And Device Implementing This Method
105215	105215-EP-EPT		05857317.1	EP1762051	EP		23-Jun-25	23-Jun-05	DISPOSITIF METTANT EN OEUVRE CE PROCEDE
105215	105215-FR-NP	FR2872369	0451333	2872369	FR	8-Sep-06	25-Jun-24	25-Jun-04	RIP AS THE PE-CE ROUTING PROTOCOL IN 2547bis VPNs DISPOSITIE DE FARRICATION D'UN MASQUE PAR
105259	105259-CN-NP	ZL200610000306 .2	200610000306.2	100382250	CN	28-Dec-07	4-Jan-26	4-Jan-06	DISPOSITIF DE FABRICATION D'UN MASQUE PAR GRAVURE PAR PLASMA D'UN SUBSTRAT SEMICONDUCTEUR
105259	105259-DE-EPA	EP1677146	05112633.2	EP1677146	DE	19-Sep-12	21-Dec-25	21-Dec-05	DISPOSITIF DE FABRICATION D'UN MASQUE PAR GRAVURE PAR PLASMA D'UN SUBSTRAT SEMICONDUCTEUR

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FAMILY	Case Reference	GRANT NUMBER	Application Number	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	TITLE
105259	105259-FR-EPA	EP1677146	05112633.2	EP1677146	FR	19-Sep-12	21-Dec-25	21-Dec-05	DISPOSITIF DE FABRICATION D'UN MASQUE PAR GRAVURE PAR PLASMA D'UN SUBSTRAT SEMICONDUCTEUR
105259	105259-GB-EPA	EP1677146	05112633.2	EP1677146	GB	19-Sep-12	21-Dec-25	21-Dec-05	GRAVURE PAR PLASMA D'UN SUBSTRAT SEMICONDUCTEUR
105259	105259-JP-NP	JP5075337	2005371907	2006191043	JP	31-Aug-12	26-Dec-25	26-Dec-05	DISPOSITIF DE FABRICATION D'UN MASQUE PAR GRAVURE PAR PLASMA D'UN SUBSTRAT SEMICONDUCTEUR
105259	105259-US-NP	US7938907	11/319630	20060148274	US	10-May-11	8-Jan-27		DISPOSITIF DE FABRICATION D'UN MASQUE PAR GRAVURE PAR PLASMA D'UN SUBSTRAT SEMICONDUCTEUR
105322	105322-US-NP	US7536104 ZL200480033321	11/109782	20050237974	US	19-May-09	26-Dec-26	20-Apr-05	RESEAU DE TRANSMISSION OPTIQUE EN ARBRE PROCEDE POUR DETECTER LA PRESENCE OU
105377	105377-CN-PCT	.6	200480033321.6	1879035	CN	12-May-10	23-Aug-24	23-Aug-04	L'ABSENCE D'UN TERMINAL MOBILE SUR UN CHEMIN
105377	105377-DE-EPT	EP1664833	04786346.9	EP1664833	DE	13-Mar-13	23-Aug-24	23-Aug-04	PROCEDE POUR DETECTER LA PRESENCE OU L'ABSENCE D'UN TERMINAL MOBILE SUR UN CHEMIN
105377	105377-FR-EPT	EP1664833	04786346.9	EP1664833	FR	13-Mar-13	23-Aug-24	23-Aug-04	PROCEDE POUR DETECTER LA PRESENCE OU L'ABSENCE D'UN TERMINAL MOBILE SUR UN CHEMIN
105377	105377-GB-EPT	EP1664833	04786346.9	EP1664833	GB	13-Mar-13	23-Aug-24	23-Aug-04	PROCEDE POUR DETECTER LA PRESENCE OU L'ABSENCE D'UN TERMINAL MOBILE SUR UN CHEMIN
105377	105377-US-NP	US7430547	10/941893	20050113111	US	30-Sep-08	25-Aug-26	16-Sep-04	METHOD OF DETECTING THE PRESENCE OR THE ABSENCE OF A MOBILE TERMINAL ON A PATH
105406	105406-US-NP	US7539122	11/092745	20050220204	US	26-May-09	26-Dec-26	30-Mar-05	DISPOSITIF ET PROCEDE PERFECTIONNES DE GESTION DE TRANSMISSION DE BLOCS DE DONNEES DANS UN CANAL DESCENDANT DE TYPE HS-DSCH D'UN RESEAU DE COMMUNICATIONS MOBILE
105449	105449-US-NP	US7545731	11/092728	20050220024	US	9-Jun-09	20-Dec-26	30-Mar-05	GESTION DE TAILLE DE MEMOIRE VIRTUELLE POUR LA TRANSMISSION DE BLOCS DE BITS DE DONNEES DANS UN CANAL DESCENDANT DE TYPE HS-DSCH D'UN RESEAU DE COMMUNICATIONS MOBILE
105479	105479-DE-EPT	EP1805971	05800294.0	EP1805971	DE	10-Mar-10	23-Sep-25	23-Sep-05	ROUTEUR, POUR UN RESEAU DE COMMUNICATIONS IP, ADAPTE A LA DETERMINATION DE CARACTERISTIQUE(S) DE CONFIGURATION ADAPTATIVE(S) POUR DES ROUTEURS VOISINS
105479	105479-FR-EPT	EP1805971	05800294.0	EP1805971	FR	10-Mar-10	23-Sep-25	23-Sep-05	ROUTEUR, POUR UN RESEAU DE COMMUNICATIONS IP, ADAPTE A LA DETERMINATION DE CARACTERISTIQUE(S) DE CONFIGURATION ADAPTATIVE(S) POUR DES ROUTEURS VOISINS
105479	105479-GB-EPT	EP1805971	05800294.0	EP1805971	GB	10-Mar-10	23-Sep-25	23-Sep-05	ROUTEUR, POUR UN RESEAU DE COMMUNICATIONS IP, ADAPTE A LA DETERMINATION DE CARACTERISTIQUE(S) DE CONFIGURATION ADAPTATIVE(S) POUR DES ROUTEURS VOISINS
105494	105494-US-NP	US7620039	11/269738	20060098658	US	17-Nov-09	26-Sep-27	9-Nov-05	DISPOSITIF DE SELECTION D'INFORMATIONS DE ROUTAGE POUR UN ROUTEUR D'UN RESEAU DE COMMUNICATION
105516	105516-DE-EPA	EP1538852	04292863.0	EP1538852	DE	8-Oct-08	3-Dec-24	3-Dec-04	PROCEDE DE PREEMPTION DE RESSOURCES D'UN RESEAU DE COMMUNICATIONS MOBILES, EN VUE DE L'ETABLISSEMENT D'UN SERVICE EN FONCTION D'UN DEBIT MAXIMUM DE PREEMPTION ASSOCIE
105516	105516-FR-EPA	EP1538852	04292863.0	EP1538852	FR	8-Oct-08	3-Dec-24	3-Dec-04	PROCEDE DE PREEMPTION DE RESSOURCES D'UN RESEAU DE COMMUNICATIONS MOBILES, EN VUE DE L'ETABLISSEMENT D'UN SERVICE EN FONCTION D'UN DEBIT MAXIMUM DE PREEMPTION ASSOCIE
105516	105516-GB-EPA	EP1538852	04292863.0	EP1538852	GB	8-Oct-08	3-Dec-24	3-Dec-04	PROCEDE DE PREEMPTION DE RESSOURCES D'UN RESEAU DE COMMUNICATIONS MOBILES, EN VUE DE L'ETABLISSEMENT D'UN SERVICE EN FONCTION D'UN DEBIT MAXIMUM DE PREEMPTION ASSOCIE
105573	105573-US-NP	US7907720	11/119829	20050250351	US	15-Mar-11	13-Jan-30	3-May-05	PROCEDE DE TEST POUR EQUIPEMENT DE LIGNE MUNI D'UN CIRCUIT HYBRIDE ET EQUIPEMENT DE LIGNE POUR MISE EN OEUVRE
105575	105575-FR-NP	FR2865606	0400714	2865606	FR	16-May-08	26-Jan-24	26-Jan-04	CONVENTIONAL GPS SIGNALLING, BACKWARD COMPATIBLE METHOD
105575	105575-US-NP	US8798908	11/041572	20050182565	US	5-Aug-14	16-Aug-28	25-Jan-05	Method Of Supporting Location Services In A Mobile Radio Communications System
105588	105588-FR-NP	FR2879070	0452835	2879070	FR	23-Feb-07	2-Dec-24	2-Dec-04	SMART ROUTING OF PDP CONTEXT BASED ON ADDRESS PROXIMITY
105618	105618-CN-NP	ZL200510089918 .9	200510089918.9	1731869	CN	12-Jun-13	4-Aug-25	4-Aug-05	PROCEDE ET SYSTEME POUR L'EXPLOITATION D'UN RESEAU CELLULAIRE DE COMMUNICATIONS MOBILES
105618	105618-EP-EPA		05106371.7	EP1624709	EP		12-Jul-25	12-Jul-05	PROCEDE ET SYSTEME POUR L'EXPLOITATION D'UN RESEAU CELLULAIRE DE COMMUNICATIONS MOBILES
105618	105618-FR-NP	FR2874148	0408656	2874148	FR	24-Nov-06	5-Aug-24	5-Aug-04	TUNING FREQUENCY INDICATOR FAMILY FOR A CELL OR A NETWORK PARAMETER
105625	105625-US-NP	US8078116	11/376085	20060223523	US	13-Dec-11	27-Aug-28	16-Mar-06	Method Of Analyzing The Operation Of A Cellular Mobile Telecommunications Network
105642	105642-FR-NP	FR2876862	0411182	2876862	FR	27-Apr-07	20-Oct-24	20-Oct-04	AUTOMATIC QOS AND PERFORMANCE CARTOGRAPHY OF MOBILE NETWORK BASED ON TERMINAL FEEDBACKS
105666	105666-CN-NP	ZL200510132681 .8	200510132681.8	1794737	CN	16-Jun-10	20-Dec-25	20-Dec-05	DISPOSITIF D'ATTRIBUTION DYNAMIQUE DE PREFIXES DE LONGUEURS VARIABLES POUR DES EQUIPEMENTS DE RESEAU D'UN RESEAU IP
105666	105666-DE-EPA	EP1672877	05300995.7	EP1672877	DE	9-Feb-11	2-Dec-25	2-Dec-05	DISPOSITIF D'ATTRIBUTION DYNAMIQUE DE PREFIXES DE LONGUEURS VARIABLES POUR DES EQUIPEMENTS DE RESEAU D'UN RESEAU IP
105666	105666-FR-EPA	EP1672877	05300995.7	EP1672877	FR	9-Feb-11	2-Dec-25	2-Dec-05	DISPOSITIF D'ATTRIBUTION DYNAMIQUE DE PREFIXES DE LONGUEURS VARIABLES POUR DES EQUIPEMENTS DE RESEAU D'UN RESEAU IP

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FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	TITLE
105666	105666-GB-EPA	EP1672877	05300995.7	EP1672877	GB	9-Feb-11	2-Dec-25	2-Dec-05	DISPOSITIF D'ATTRIBUTION DYNAMIQUE DE PREFIXES DE LONGUEURS VARIABLES POUR DES EQUIPEMENTS
105666	105666-US-NP	US7577138	11/305042	20060159086	US	18-Aug-09	18-Apr-28	19-Dec-05	DE RESEAU D'UN RESEAU IP DISPOSITIF D'ATTRIBUTION DYNAMIQUE DE PREFIXES DE LONGUEURS VARIABLES POUR DES EQUIPEMENTS DE RESEAU D'UN RESEAU IP
105668	105668-DE-EPA	EP1670271	05301018.7	EP1670271	DE	27-Feb-08	7-Dec-25	7-Dec-05	DIPOSITIF D'OPTIMISATION DE RESEAUX D'ACCES RADIO ET/OU DE RESEAUX DE COEUR MULTISTANDARDS EN INTERACTION
105668	105668-FR-EPA	EP1670271	05301018.7	EP1670271	FR	27-Feb-08	7-Dec-25	7-Dec-05	DIPOSITIF D'OPTIMISATION DE RESEAUX D'ACCES RADIO ET/OU DE RESEAUX DE COEUR MULTISTANDARDS EN INTERACTION
105668	105668-GB-EPA	EP1670271	05301018.7	EP1670271	GB	27-Feb-08	7-Dec-25	7-Dec-05	DIPOSITIF D'OPTIMISATION DE RESEAUX D'ACCES RADIO ET/OU DE RESEAUX DE COEUR MULTISTANDARDS EN INTERACTION
105677	105677-DE-EPA	EP1770 <del>9</del> 27	06121316.1	EP1770927	DE	10-Jul-13	27-Sep-26	27-Sep-06	SYSTEME DE COMMUTATION DE PAQUETS POUR NOEUD DE RESEAU DE COMMUNICATION
105677	105677-FR-EPA	EP1770927	06121316.1	EP1770927	FR	10-Jul-13	27-Sep-26	27-Sep-06	SYSTEME DE COMMUTATION DE PAQUETS POUR NOEUD DE RESEAU DE COMMUNICATION
105677	105677-GB-EPA	EP1770927	06121316.1	EP1770927	GB	10-Jul-13	27-Sep-26	27-Sep-06	SYSTEME DE COMMUTATION DE PAQUETS POUR NOEUD DE RESEAU DE COMMUNICATION
105677	105677-US-NP	US7639679	11/529417	20070115957	US	29-Dec-09	2-Feb-28	29-Sep-06	SYSTEME DE COMMUTATION DE PAQUETS POUR NOEUD DE RESEAU DE COMMUNICATION
105709	105709-EP-EPA		06112115.8	EP1711026	EP		31-Mar-26	31-Mar-06	DISPOSITIF D'ANALYSE CARTOGRAPHIQUE DE DONNEES D'ANALYSE, EN VUE DE L'OPTIMISATION D'UN RESEAU DE COMMUNICATION
105750	105750-EP-EPA		06116859.7	EP1742102	EP		7-Jul-26	7-Jul-06	STRUCTURE A ABSORBANT OPTIQUE SATURABLE POUR DISPOSITIF DE REGENERATION DE SIGNAUX OPTIQUES
105750	105750-FR-NP	FR2888430	0507321	2888430	FR	26-Oct-07	8-Jul-25	8-Jul-05	STRUCTURE A ABSORBANT OPTIQUE SATURABLE POUR DISPOSITIF DE REGENERATION DE SIGNAUX OPTIQUES
105750	105750-US-NP	US7375879	11/483183	20080100908	US	20-May-08	10-Jul-26	10-Jul-06	STRUCTURE A ABSORBANT OPTIQUE SATURABLE POUR DISPOSITIF DE REGENERATION DE SIGNAUX OPTIQUES
105766	105766-DE-EPA	EP1742313	06116862.1	EP1742313	DE	15-Oct-08	7-Jul-26	7-Jul-06	DISPOSITIF OPTIQUE A SOURCE LASER SEMI- CONDUCTEUR ET ISOLATEUR OPTIQUE INTEGRES
105766	105766-FR-EPA	EP1742313	06116862.1	EP1742313	FR	15-Oct-08	7-Jul-26	7-Jul-06	DISPOSITIF OPTIQUE A SOURCE LASER SEMI- CONDUCTEUR ET ISOLATEUR OPTIQUE INTEGRES
105766	105766-GB-EPA	EP1742313	06116862.1	EP1742313	GB	15-Oct-08	7-Jul-26	7-Jul-06	DISPOSITIF OPTIQUE A SOURCE LASER SEMI- CONDUCTEUR ET ISOLATEUR OPTIQUE INTEGRES
105766	105766-US-NP	US7567604	11/483182	20070064753	US	28-Jul-09	10-Jul-26	10-Jul-06	DISPOSITIF OPTIQUE A SOURCE LASER SEMI- CONDUCTEUR ET ISOLATEUR OPTIQUE INTEGRES
105766	105766-CN-NP	ZL200610101773 .4	200610101773.4	1905298	CN	27-Aug-08	10-Jul-26	10-Jul-06	DISPOSITIF OPTIQUE A SOURCE LASER SEMI- CONDUCTEUR ET ISOLATEUR OPTIQUE INTEGRES
105782	105782-FR-NP	FR2888078	0551833	2888078	FR	10-Aug-07	30-Jun-25	30-Jun-05	PROCEDE DE TRANSFERT D'UNE COMMUNICATION IMPLIQUANT UN NOEUD MOBILE EN SITUATION DE MACRO-MOBILITE AU SEIN D'UN RESEAU DE COMMUNICATION IP A ROUTAGE HIERARCHIQUE
105795	105795-FR-NP	FR2895613	0554092	2895613	FR	22-Feb-08	26-Dec-25	26-Dec-05	DISPOSITIF D'OPTIMISATION D'UTILISATION DE SERVICES DANS DES RÉSEAUX D'ACCÈS HYBRIDES
105820	105820-CN-NP	ZL200510131860 .X	200510131860.X	1797966	CN	28-Mar-12	15-Dec-25	15-Dec-05	TERMINAL GPS/WIFI
105820	105820-DE-EPA	EP1677476	04293152.7	EP1677476	DE	21-Nov-07	28-Dec-24	28-Dec-04	SHARED CIRCUITRY BETWEEN A SPS RECEIVER AND A OFDM PROCESSING UNIT
105820	105820-FR-EPA	EP1677476	04293152.7	EP1677476	FR	21-Nov-07	28-Dec-24	28-Dec-04	SHARED CIRCUITRY BETWEEN A SPS RECEIVER AND A OFDM PROCESSING UNIT
105820	105820-GB-EPA	EP1677476	04293152.7	EP1677476	GB	21-Nov-07	28-Dec-24	28-Dec-04	SHARED CIRCUITRY BETWEEN A SPS RECEIVER AND A OFDM PROCESSING UNIT
105820	105820-US-NP	US7515102	11/296324	20060139208	US	7-Apr-09	5-Jun-26	8-Dec-05	TERMINAL GPS/WIFI
105849	105849-CN-NP	ZL200610099607 .5	200610099607.5	1878100	CN	9-Jul-14	7-Jun-26	7-Jun-06	OUTIL DE DIAGNOSTIC DE RESEAU DE COMMUNICATION, A EXPLORATION DE RESULTATS DE TESTS REELS ET/OU DE VALIDATION PAR MODE D'AFFICHAGE CONTROLE
105849	105849-US-NP	US7568126	11/447267	20060274663	US	28-Jul-09	20-Jul-27	6-Jun-06	OUTIL DE DIAGNOSTIC DE RESEAU DE COMMUNICATION, A EXPLORATION DE RESULTATS DE TESTS REELS ET/OU DE VALIDATION PAR MODE D'AFFICHAGE CONTROLE
105871	105871-CN-NP	ZL200610171435	200610171435.8	101005319	CN	15-Sep-10	27-Dec-26	27-Dec-06	NOEUD D'ACCES POUR RESEAU DE TRANSMISSION OPTIQUE EN ANNEAU
105871	105871-DE-EPA	EP1804407	05301116.9	EP1804407	DE	11-Feb-09	28-Dec-25	28-Dec-05	NO EUD D'ACCES POUR RESEAU DE TRANSMISSION OPTIQUE EN ANNEAU
105871	105871-FR-EPA	EP1804407	05301116.9	EP1804407	FR	11-Feb-09	28-Dec-25	28-Dec-05	NOEUD D'ACCES POUR RESEAU DE TRANSMISSION OPTIQUE EN ANNEAU
105871	105871-GB-EPA	EP1804407	05301116.9	EP1804407	GB	11-Feb-09	28-Dec-25	28-Dec-05	NO EUD D'ACCES POUR RESEAU DE TRANSMISSION OPTIQUE EN ANNEAU
105871	105871-US-NP	US7672588	11/614054	20070223923	US	2-Mar-10	9-Jun-28	20-Dec-06	NOEUD D'ACCES POUR RESEAU DE TRANSMISSION OPTIQUE EN ANNEAU
105897	105897-CN-NP	ZL200610144412	200610144412.8	1963575	CN	10-Jun-09	7-Nov-26	7-Nov-06	FIBRE OPTIQUE AMPLIFICATRICE
105897	105897-FR-NP	.8 FR2896315	0553374	2896315	FR	17-Sep-10	8-Nov-25	8-Nov-05	FIBRE OPTIQUE AMPLIFICATRICE
105897 105897	105897-US-NP 105897-US-NP	US7813614 US7869686	12/573583 11/556753	20100020388 20070127877	US US	12-Oct-10 11-Jan-11	6-Nov-26 6-Nov-26		FIBRE OPTIQUE AMPLIFICATRICE FIBRE OPTIQUE AMPLIFICATRICE
105934	105934-US-NP	US7187322	11/402019		US	6-Mar-07	12-Apr-26	12-Apr-06	SYSTEME DE RADIONAVIGATION A CONSTELLATION DE SATELLITES DE POSITIONNEMENT A PHASES DE TRANSMISSION ET D'ANALYSE ALTERNEES
105961	105961-DE-EPA	EP1691498	06101099.7	EP1691498	DE	23-Apr-08	31-Jan-26	31-Jan-06	DISPOSITIF DE SYNCHRONISATION A REDONDANCE DE SIGNAUX D'HORLOGE, POUR UN EQUIPEMENT D'UN RESEAU DE TRANSPORT SYNCHRONE

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FAMILY	Case Reference	GRANT NUMBER	application Number	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPINATION DATE	APPLICATION DATE	H11E
105961	105961-FR-EPA	EP1691498	06101099.7	EP1691498	FR	23-Apr-08	31-Jan-26	31-Jan-06	DISPOSITIF DE SYNCHRONISATION A REDONDANCE DE SIGNAUX D'HORLOGE, POUR UN EQUIPEMENT D'UN RESEAU DE TRANSPORT SYNCHRONE
105961	105961-GB-EPA	EP1691498	06101099.7	EP1691498	GB	23-Apr-08	31-Jan-26	31-Jan-06	DISPOSITIF DE SYNCHRONISATION A REDONDANCE DE SIGNAUX D'HORLOGE, POUR UN EQUIPEMENT D'UN RESEAU DE TRANSPORT SYNCHRONE
105961	105961-US-NP	US7706413	11/090596	20060182211	us	27-Apr-10	15-Mar-28	28-Mar-05	DISPOSITIF DE SYNCHRONISATION A REDONDANCE DE SIGNAUX D'HORLOGE, POUR UN EQUIPEMENT D'UN RESEAU DE TRANSPORT SYNCHRONE
105973	105973-EP-EPT		06726261.8	EP1867197	EP		21-Mar-26		PROCEDE POUR LE CONTROLE DE MESURES RADIO DANS UN SYSTEME CELLULAIRE DE RADIOCOMMUNICATIONS MOBILES
105986	105986-US-PCT	US8306017	11/914188	20080198841	US	6-Nov-12	14-Aug-29	22-Mar-06	UMA CS/PS Split Architecture And Interface
106029	106029-US-NP	US7653307	11/564125	20070183777	US	26-Jan-10	28-May-28	28-Nov-06	METHOD TO DEVELOP HIGH DEGREE NODE WITH WSS SUFFERING FROM FILTERING EFFECTS
106029	106029-CN-NP	ZL200610162988 .7	200610162988.7	1984502	CN	22-Dec-10	30-Nov-26	30-Nov-06	METHOD TO DEVELOP HIGH DEGREE NODE WITH WSS SUFFERING FROM FILTERING EFFECTS
106029	106029-DE-EPA	EP1793644	06301129.0	EP1793644	DE	13-Jan-10	7-Nov-26	7-Nov-06	METHOD TO DEVELOP HIGH DEGREE NODE WITH WSS SUFFERING FROM FILTERING EFFECTS
106029	106029-FR-EPA	EP1793644	06301129.0	EP1793644	FR	13-Jan-10	7-Nov-26	7-Nov-06	METHOD TO DEVELOP HIGH DEGREE NODE WITH WSS SUFFERING FROM FILTERING EFFECTS
106029	106029-GB-EPA	EP1793644	06301129.0	EP1793644	GB	13-Jan-10	7-Nov-26	7-Nov-06	METHOD TO DEVELOP HIGH DEGREE NODE WITH WSS SUFFERING FROM FILTERING EFFECTS
106039	106039-DE-EPA	EP1804434	05292696.1	EP1804434	DE	21-Nov-07			Method for 3GPP-WIMAX internetworking
106039 106039	106039-FR-EPA 106039-GB-EPA	EP1804434 EP1804434	05292696.1 05292696.1	EP1804434 EP1804434	FR GB	21-Nov-07 21-Nov-07			Method for 3GPP-WIMAX internetworking Method for 3GPP-WIMAX internetworking
106090	106090-CN-NP	ZL200610164549 .X	200610164549.X	1980476	CN	3-Nov-10		5-Dec-06	PROCEDE ET DISPOSITIF DE GESTION D'UNE SURCHARGE DANS UNE CELLULE D'UN RESEAU DE RADIOCOMMUNICATION, UTILISATION, PROGRAMME INFORMATIQUE ET MOYEN DE STOCKAGE CORRESPONDANTS
106090	106090-DE-EPA	EP1796416	06124955.3	EP1796416	DE	15-Oct-08	28-Nov-26	28-Nov-06	PROCEDE ET DISPOSITIF DE GESTION D'UNE SURCHARGE DANS UNE CELLULE D'UN RESEAU DE RADIOCOMMUNICATION, UTILISATION, PROGRAMME INFORMATIQUE ET MOYEN DE STOCKAGE CORRESPONDANTS
106090	106090-FR-EPA	EP1796416	06124955.3	EP1796416	FR	15-Oct-08	28-Nov-26	28-Nov-06	PROCEDE ET DISPOSITIF DE GESTION D'UNE SURCHARGE DANS UNE CELLULE D'UN RESEAU DE RADIOCOMMUNICATION, UTILISATION, PROGRAMME INFORMATIQUE ET MOYEN DE STOCKAGE CORRESPONDANTS
106090	106090-GB-EPA	EP1796416	06124955.3	EP1796416	GB	15-Oct-08	28-Nov-26	28-Nov-06	PROCEDE ET DISPOSITIF DE GESTION D'UNE SURCHARGE DANS UNE CELLULE D'UN RESEAU DE RADIOCOMMUNICATION, UTILISATION, PROGRAMME INFORMATIQUE ET MOYEN DE STOCKAGE CORRESPONDANTS
106090	106090-US-NP	US7853266	11/567702	20070135113	us	14-Dec-10	13-Oct-29	6-Dec-06	Method And Device For Management Of An Overload In A Cell Of A Radio Communication Network, Corresponding Uses, Computer Porgram And Storage Means
106091	106091-JP-NP	JP5019865	2006343839	2007184915	JP	22-Jun-12	21-Dec-26	21-Dec-06	A METHOD FOR SERVICE DELIVERY IN A MOBILE COMMUNICATION SYSTEM
106091	106091-EP-EPA		05301126.8	EP1804435	EP		30-Dec-25	30-Dec-05	A METHOD FOR SERVICE DELIVERY IN A MOBILE COMMUNICATION SYSTEM
106119	106119-EP-EPA		07107923.0	EP1855407	EP		10-May-27	10-May-07	DISPOSITIF RECONFIGURABLE DE MULTIPLEXAGE OPTIQUE A INSERTION/EXTRACTION COMPORTANT DES INTERFACES D'ENTREE/SORTIE OPTIQUES A BANDES LARGES
106121	106121-FR-NP	FR2902595	0652135	2902595	FR	16-Jan-09	15-Jun-26	15-Jun-06	DISPOSITIF DE SÉLECTION DE POTENTIEL(S) FUTUR(S) RÉSEAU(X) D'ACCÈS RADIO DE RATTACHEMENT DE TERMINAUX MOBILES
106123	106123-EP-EPA		07116563.3	EP1903454	EP		17-Sep-27	17-Sep-07	SEMANTIC DESCRIPTIONS / ONTOLOGIES GENERATION FROM TEXT
106123	106123-KR-PCT	KR101416682	20097005662		KR	2-Jul-14		17-Sep-07	SEMANTIC DESCRIPTIONS / ONTOLOGIES
				ED2000924				·	GENERATION FROM TEXT AUTONOMOUS SELECTIVE SYNCHRONIZATION
106211	106211-DE-EPA	EP2009821	07290802.3	EP2009821	DE	2-Nov-11	28-Jun-27	28-Jun-07	ALGORITHM AUTONOMOUS SELECTIVE SYNCHRONIZATION
106211	106211-FR-EPA	EP2009821	07290802.3	EP2009821	FR	2-Nov-11	28-Jun-27	28-Jun-07	ALGORITHM
106211	106211-GB-EPA	EP2009821	07290802.3	EP2009821	GB	2-Nov-11	28-Jun-27	28-Jun-07	AUTONOMOUS SELECTIVE SYNCHRONIZATION ALGORITHM
106226	106226-CN-NP	ZL200610064405 .7	200610064405.7	101013153	CN	18-May-11	29-Dec-26	29-Dec-06	MULTIPLE SPS CONSTELLATION PROCESSING OPTIMISATION
106226	106226-DE-EPA	EP1804071	05301124.3	EP1804071	DE	15-Oct-08	29-Dec-25	29-Dec-05	PROCEDE D'OPTIMISATION DES TRAITEMENTS DE DONNEES DE LOCALISATION EN PRESENCE DE PLUSIEURS CONSTELLATIONS DE POSITIONNEMENT PAR SATELLITES
106226	106226-FR-EPA	EP1804071	05301124.3	EP1804071	FR	15-Oct-08	29-Dec-25	29-Dec-05	PROCEDE D'OPTIMISATION DES TRAITEMENTS DE DONNEES DE LOCALISATION EN PRESENCE DE PLUSIEURS CONSTELLATIONS DE POSITIONNEMENT PAR SATELLITES
106226	106226-GB-EPA	EP1804071	05301124.3	EP1804071	GB	15-Oct-08	29-Dec-25	2 <del>9</del> -Dec-05	PROCEDE D'OPTIMISATION DES TRAITEMENTS DE DONNEES DE LOCALISATION EN PRESENCE DE PLUSIEURS CONSTELLATIONS DE POSITIONNEMENT PAR SATELLITES
106226	106226-US-NP	US7646338	11/617072	20070236387	us	12-Jan-10	28-May-27	28-Dec-06	MULTIPLE SPS CONSTELLATION PROCESSING OPTIMISATION
106235	106235-CN-NP	ZL200710136209	200710136209.0	101149426	CN	2-Nov-11	10-Jul-27	10-Jul-07	TRANSMISSION DU FORMAT DES MESSAGES SUR LES
106235	106235-DE-EPA	.0 EP1879040	07111736.0	EP1879040	DE	14-Apr-10		4-Jul-07	MESSAGES DE NAVIGATION TRANSMISSION DU FORMAT DES MESSAGES SUR LES
100233	TOOFIDELLIA	11079040	0.111.30.0	10/3040	J.	14-Whi-10	4-Jul-27	4-301-07	MESSAGES DE NAVIGATION

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106235	106235-ES-EPA		07111736.0	EP1879040	ES	14-Apr-10	4-Jul-27	4-Jul-07	TRANSMISSION DU FORMAT DES MESSAGES SUR LES MESSAGES DE NAVIGATION
106235	106235-FR-EPA	EP1879040	07111736.0	EP1879040	FR	14-Apr-10	4-Jul-27	4-Jul-07	TRANSMISSION DU FORMAT DES MESSAGES SUR LES MESSAGES DE NAVIGATION
106235	106235-GB-EPA	EP1879040	07111736.0	EP1879040	GB	14-Apr-10	4-Jul-27	4-Jul-07	TRANSMISSION DU FORMAT DES MESSAGES SUR LES MESSAGES DE NAVIGATION
106235	106235-IT-EPA	EP1879040	07111736.0	EP1879040	п	14-Apr-10	4-Jul-27	4-Jul-07	TRANSMISSION DU FORMAT DES MESSAGES SUR LES
106235	106235-US-NP	US7489272	11/775675	20080136706	US	10-Feb-09	10-Jul-27	10-Jul-07	MESSAGES DE NAVIGATION TRANSMISSION DU FORMAT DES MESSAGES SUR LES
106268	106268-CN-PCT	ZL200780023321	200780023321.1	CN101473667A	CN	28-Dec-11	14-Jun-27	14-Jun-07	MESSAGES DE NAVIGATION SYSTEME DE COMMUNICATION POUR LA GESTION CENTRALISEE, PAR UN OPERATEUR VIRTUEL, D'APPELS DE TERMINAUX D'ABONNES CONNECTES A DES RESEAUX DE COMMUNICATION D'ACCUEIL
106268	106268-DE-EPT	EP2041993	07786743.0	EP2041993	DE	14-Aug-13	14-Jun-27	14-Jun-07	SYSTEME DE COMMUNICATION POUR LA GESTION CENTRALISEE, PAR UN OPERATEUR VIRTUEL, D'APPELS DE TERMINAUX D'ABONNES CONNECTES A DES RESEAUX DE COMMUNICATION D'ACCUEIL
106268	106268-FR-EPT	EP2041993	07786743.0	EP2041993	FR	14-Aug-13	14-Jun-27	14-Jun-07	SYSTEME DE COMMUNICATION POUR LA GESTION CENTRALISEE, PAR UN OPERATEUR VIRTUEL, D'APPELS DE TERMINAUX D'ABONNES CONNECTES A DES RESEAUX DE COMMUNICATION D'ACCUEIL
106268	106268-GB-EPT	EP2041993	07786743.0	EP2041993	GB	14-Aug-13	14-Jun-27	14-Jun-07	SYSTEME DE COMMUNICATION POUR LA GESTION CENTRALISEE, PAR UN OPERATEUR VIRTUEL, D'APPELS DE TERMINAUX D'ABONNES CONNECTES A DES RESEAUX DE COMMUNICATION D'ACCUEIL
106268	106268-US-PCT	US9237436	12/308375	20100189019	US	12-Jan-16	27-Sep-30	14-Jun-07	Centralized Communication Management Via A Virtual Operator For Connecting Subscriber Calls To Host Networks
106278	106278-EP-EPA		07119074.8	EP1916819	EP		23-Oct-27	23-Oct-07	IP SIMPLE ADAPTATIVE HEADER COMPRESSION (IP- SACH)
106278	106278-FR-NP	FR2907624	0654472	2907624	FR	20-Feb-09	24-Oct-26	24-Oct-06	IP SIMPLE ADAPTATIVE HEADER COMPRESSION (IP- SACH)
106278	106278-US-NP	US8885670	11/876955	20080098129	US	11-Nov-14	29-Oct-28	23-Oct-07	Compression Device Wherein Compression Is Adapted As A Function Of The Transport Medium, And Associated Decompression Device, For Communication Equipments
106279 106284	106279-IN-PCT 106284-EP-EPA		5803/CHENP/2008 07115572.5	EP1898492	IN EP		11-Apr-27 3-Sep-27	11-Apr-07 3-Sep-07	GAN ENERGY SAVING DIELECTRIC ROTATIVE PHASE SHIFTER
106284	106284-FR-NP	FR2905803	0653660	2905803	FR	7-May-10	11-Sep-26		DIELECTRIC ROTATIVE PHASE SHIFTER
106316	106316-DE-EPA	EP1906574	07116724.1	EP1906574	DE	13-Apr-11	19-Sep-27	19-Sep-07	SPEED-UP OF ROADMS SWITCHING ELEMENT PROTECTION
106316	106316-FR-EPA	EP1906574	07116724.1	EP1906574	FR	13-Apr-11	19-Sep-27	19-Sep-07	SPEED-UP OF ROADMS SWITCHING ELEMENT PROTECTION
106316	106316-GB-EPA	EP1906574	07116724.1	EP1906574	GB	13-Apr-11	19-Sep-27	19-Sep-07	SPEED-UP OF ROADMS SWITCHING ELEMENT PROTECTION
106333	106333-DE-EPA	EP1942616	07290009.5	EP1942616	DE	25-Jun-14	3-Jan-27	3-Jan-07	Method of establishing a path in a data network, path computing elements, network elements and data network
106333	106333-FR-EPA	EP1942616	07290009.5	EP1942616	FR	25-Jun-14	3-Jan-27	3-Jan-07	Method of establishing a path in a data network, path computing elements, network elements and data network
106333	106333-GB-EPA	EP1942616	07290009.5	EP1942616	GB	25-Jun-14	3-Jan-27	3-Jan-07	Method of establishing a path in a data network, path computing elements, network elements and data network
106353	106353-EP-EPA		07111651.1	EP1876795	EP		3-Jul-27	3-Jul-07	PROCEDE DE LOCALISATION D'UN SOFTPHONE ET RESEAU POUR LA MISE EN OEUVRE DE CE PROCEDE
106353	106353-FR-NP	FR2903550	0652785	2903550	FR	14-Nov-08	4-Jul-26	4-Jul-06	PROCEDE DE LOCALISATION D'UN SOFTPHONE ET RESEAU POUR LA MISE EN OEUVRE DE CE PROCEDE
106424 106424	106424-DE-EPA 106424-FR-EPA	EP1950641 EP1950641	08100996.1 08100996.1	EP1950641 EP1950641	DE FR	7-Apr-10 7-Apr-10	28-Jan-28 28-Jan-28	28-Jan-08 28-Jan-08	
106424	106424-GB-EPA	EP1950641	08100996.1	EP1950641	GB	7-Apr-10			FRONT ACCESS PEM
106447	106447-DE-EPA	EP1876465	07111525.7	EP1876465	DE	9-Oct-13	2-Jul-27	2-Jul-07	OVERALL COMPOSITE ACCURACY & BANDWIDTH IMPROVEMENT
106447	106447-FR-EPA	EP1876465	07111525.7	EP1876465	FR	9-Oct-13	2-Jul-27	2-Jul-07	OVERALL COMPOSITE ACCURACY & BANDWIDTH IMPROVEMENT
106447	106447-GB-EPA	EP1876465	07111525.7	EP1876465	GB	9-Oct-13	2-Jul-27	2-Jul-07	OVERALL COMPOSITE ACCURACY & BANDWIDTH IMPROVEMENT
106448	106448-CN-NP	ZL200710138863 .5	200710138863.5	101101329	CN	15-Jun-11	5-Jul-27	5-Jul-07	GROUND-BASED INTEGRITY ALERTS FOR SATELLITE NAVIGATION SYSTEM
106448	106448-DE-EPA	EP1876466	07111674.3	EP1876466	DE	29-Feb-12	3-Jul-27	3-Jul-07	Device For The Generation Of Integrity Messages Signalling Nominal, Degraded Or Inactive Surveillance Stations For Satellite Navigation Systems
106448	106448-FR-EPA	EP1876466	07111674.3	EP1876466	FR	29-Feb-12	3-Jul-27	3-Jul-07	Device For The Generation Of Integrity Messages Signalling Nominal, Degraded Or Inactive Surveillance Stations For Satellite Navigation Systems
106448	106448-GB-EPA	EP1876466	07111674.3	EP1876466	GB	29-Feb-12	3-Jul-27	3-Jul-07	Device For The Generation Of Integrity Messages Signalling Nominal, Degraded Or Inactive Surveillance Stations For Satellite Navigation Systems
106448	106448-US-NP	US7511660	11/773769	20080007452	US	31-Mar-09	5-Jul-27	5-Jul-07	GROUND-BASED INTEGRITY ALERTS FOR SATELLITE NAVIGATION SYSTEM
106454	106454-EP-EPA		07115996.6	EP1909456	EP		10-Sep-27	10-Sep-07	CONTROL OF IMS SECURITY BY MEANS OF DIAMETER
106454	106454-FR-NP	FR2906951	0654078	2906951	FR	12-Dec-08	4-Oct-26	4-Oct-06	CONTROL OF IMS SECURITY BY MEANS OF DIAMETER
106459	106459-FR-NP	FR2916924	0755438	2916924	FR	9-Oct-09	4-Jun-27	4-Jun-07	PASSIVE AND REACTIVE RECOVERY OF DYNAMIC TELECOMMUNICATION APPLICATIONS
106460	106460-DE-EPA	EP1956792	07121635.2	EP1956792	DE	8-Jul-15	27-Nov-27	27-Nov-07	APPLICATION IDENTIFICATION IN A SIP SPIRAL TRAFFIC
106460	106460-FR-EPA	EP1956792	07121635.2	EP1956792	FR	8-Jul-15	27-Nov-27	27-Nov-07	APPLICATION IDENTIFICATION IN A SIP SPIRAL
.00 100	100-TOO IN CEM	2, 1350/32	0. IEIUJJ.E	C. 1550/54		6-Jul-13	27-NUV-2/	27-NUV-U/	TRAFFIC

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FAMILY	CASE REFERENCE	Grant Number	application Number	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	TITLE
106460	106460-GB-EPA	EP1956792	07121635.2	EP1956792	GB	8-Jul-15	27-Nov-27	27-Nov-07	APPLICATION IDENTIFICATION IN A SIP SPIRAL TRAFFIC
106477	106477-DE-EPA	EP1928105	06291849.5	EP1928105	DE	11-May-11	30-Nov-26	30-Nov-06	POWER CONTROL METHOD FOR HSUPA IN UMTS
106477	106477-FR-EPA	EP1928105	06291849.5	EP1928105	FR	11-May-11	30-Nov-26	30-Nov-06	POWER CONTROL METHOD FOR HSUPA IN UMTS
106477	106477-GB-EPA	EP1928105	06291849.5	EP1928105	GB	11-May-11	30-Nov-26	30-Nov-06	POWER CONTROL METHOD FOR HSUPA IN UMTS
106495	106495-EP-EPA		06291100.3	EP1876850	EP	22 May 22	3-Jul-26	3-Jul-06	A METHOD FOR IMPROVING PAGING PERFORMANCES IN A WIRELESS ACCESS SYSTEM
106495	106495-KR-PCT	KR101467955	20097000020		KR	26-Nov-14	2-Jul-27	2-Jul-07	A METHOD FOR IMPROVING PAGING
106495	106495-US-PCT	US9282533	12/307199	20100022256	US	8-Mar-16	25-Jul-29	2-Jul-07	PERFORMENCES IN A WIRELESS ACCESS SYSTEM  Method For Improving Paging Performances In A
110222	110222-DE-EPA	EP0975167	99440198.2	EP0975167	DE	17-Oct-12	13-Jul-19	13-Jul-99	Wireless Access System Memory Units for ON-Demand Service
110222	110222-FR-EPA	EP0975167	99440198.2	EP0975167	FR	17-Oct-12	13-Jul-19		Memory Units for ON-Demand Service
110222 110222	110222-GB-EPA 110222-US-NP	EP0975167 US6434610	99440198.2 09/350160	EP0975167	GB US	17-Oct-12 13-Aug-02	13-Jul-19 9-Jul-19		Memory Units for ON-Demand Service Memory Units for ON-Demand Service
110237	110237-US-DIV	US6411633	09/697535		us	25-Jun-02	19-Dec-17		Synchrones digitales Nachrichtenübertragungssytem, Steuerungseinrichtung, Netzelement und zentraler Taktgenerator
110237	110237-US-NP	US6163551	08/994529		US	19-Dec-00	19-Dec-17	19-Dec-97	
110268 110270	110268-US-NP 110270-US-NP	US5982442 US6008759	08/980240 09/204506		US	9-Nov-99 28-Dec-99	28-Nov-17 4-Dec-18		Reducing of blocking effect Single-Burst in an SDMA Mobile Radio System
110306	110306-US-NP	US6396602	08/982734		US	28-May-02	2-Dec-17		Optical Switching Unit
110330	110330-DE-EPA	EP0899979	98440167.9	EP0899979	DE	18-Jun-08	31-Jul-18	31-Jul-98	Endgerät, Berechtigungskarte und Telekommunikationsnetz für einen Teilnehmer sowie Verfahren zum Ändern eines dem Teilnehmer zugeordneten Diensteprofils
110330	110330-ES-EPA	EP0899979	98440167.9	EP0899979	ES	18-Jun-08	31-Jul-18	31-Jul-98	Endgerät, Berechtigungskarte und Telekommunikationsnetz für einen Teilnehmer sowie Verfahren zum Ändern eines dem Teilnehmer zugeordneten Diensteprofils
110330	110330-FR-EPA	EP0899979	98440167.9	EP0899979	FR	18-Jun-08	31-Jul-18	31-Jul-98	Endgerät, Berechtigungskarte und Telekommunikationsnett für einen Teilnehmer sowie Verfahren zum Ändern eines dem Teilnehmer zugeordneten Diensteprofils
110330	110330-GB-EPA	EP0899979	98440167.9	EP0899979	GB	18-Jun-08	31-Jul-18	31-Jul- <del>9</del> 8	Endgerät, Berechtigungskarte und Telekommunikationsnetz für einen Teilnehmer sowie Verfahren zum Ändern eines dem Teilnehmer zugeordneten Diensteprofils
110330	110330-П-ЕРА	EP0899979	98440167.9	EP0899979	п	18-Jun-08	31-Jul-18	31-Jul- <u>9</u> 8	Endgerät, Berechtigungskarte und Telekommunikationsnetz für einen Teilnehmer sowie Verfahren zum Ändern eines dem Teilnehmer zugeordneten Diensteprofils
110330	110330-AU-NP	AU739131	78841/98	739131	AU	14-Jan-02	7-Aug-18	7-Aug-98	Terminal for a subscriber of a mobile radio telecommunications network
110330	110330-JP-DIV	JP5344903	2008323291	2009124717	JP	23-Aug-13	5-Aug-18	19-Dec-08	Mobile Service Profile shift to EMPD 18.01.02 (Mail from S. Menager)
110330	110330-US-NP	US6353737	09/128874		US	5-Mar-02	4-Aug-18	4-Aug-98	Mobile Service Profile shift to EMPD 18.01.02 (Mail from S. Menager)
110398	110398-US-NP	US6289091	08/932867		US	11-Sep-01	18-Sep-17	18-Sep-97	Operator Shifting for Subscribers
110530 110530	110530-TW-NP 110530-US-NP	TW116304 US6108522	87108174 09/082325	TW393871	TW US	17-Oct-00 22-Aug-00	26-May-18 21-May-18		Domestic Base Station (MPD)  Domestic Base Station (MPD)
110561	110561-US-NP	US6337902	09/207663		US	8-Jan-02	9-Dec-18		Method for procuring instructions regarding a target subscriber in a telecommunication network and
110630	110630-US-NP	US6016379	09/127475		US	18-Jan-00	31-Jul-18	31-Jul-98	Optical Receiver for PMD
110635	110635-US-NP	US6205121	09/150997		US	20-Mar-01	10-Sep-18	10-Sep-98	Automatic Configuration of Transmission Networks for IP Traffic
110647	110647-US-NP	US6160882	09/076511		US	12-Dec-00	12-May-18	12-May-98	Deregulated access network
110669	110669-US-NP	US6343123	09/099896		US	29-Jan-02	18-Jun-18	18-Jun-98	Method of establishing a toll-free communication connection, as well as a service unit, an exchange and a communications network
110714 110732	110714-US-NP 110732-CN-NP	US6295152 ZL98116368.8	09/209472 98116368.8	1207000	US CN	25-Sep-01 3-Nov-06	11-Dec-18 24-Jul-18		Adaptiver optical Receiver and Dual mode handy (MPD)
110732	110732-DE-EPA	EP0893933	98440161.2	EP0893933	DE	20-Dec-06	24-Jul-18	24-Jul-98	Method for steering of call lines and communications terminal
110732	110732-FR-EPA	EP0893933	98440161.2	EP0893933	FR	20-Dec-06	24-Jul-18	24-Jul-98	Method for steering of call lines and communications terminal
110732	110732-GB-EPA	EP0893933	98440161.2	EP0893933	GB	20-Dec-06	24-Jul-18	24-Jul- <del>9</del> 8	Method for steering of call lines and communications terminal
110732	110732-US-NP	US6321096	09/121426	20010014614	US	20-Nov-01	23-Jul-18		Dual mode handy (MPD)
110743	110743-US-NP 110750-US-NP	US6240136 US6725455	09/252453 09/313981	20030177162	US	29-May-01 20-Apr-04	18-Feb-19 19-May-19	18-Feb-99 19-May-99	Entry point into a data stream METHOD FOR ASSIGNING TASKS, DATA PROCESSING SYSTEM, CLIENT DATA PROCESSING NODES AND MACHINE-READABLE STORAGE MEDIUM
110811	110811-DE-EPT	EP0965237	98966953.6	EP0965237	DE	5-Dec-07	29-Dec-18	29-Dec-98	Verfahren zum Übergeben von Betriebsparametern von einer Zentrale an ein örtlich begrenztes drahtloses Telekommunikationssystem und entsprechendes drahtloses Telekommunikationssystem
110811	110811-FR-EPT	EP0965237	98966953.6	EP0965237	FR	5-Dec-07	29-Dec-18	29-Dec-98	Verfahren zum Übergeben von Betriebsparametern von einer Zentrale an ein örtlich begrenztes drahtloses Telekommunikationssystem und entsprechendes drahtloses Telekommunikationssystem

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FAMILY	CASE REFERENCE	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	TITLE
110811	110811-GB-EPT	EP0965237	98966953.6	EP0965237	GB	5-Dec-07	29-Dec-18	29-Dec-98	Verfahren zum Übergeben von Betriebsparametern von einer Zentrale an ein Ortlich begrenztes drahtloses Telekommunikationssystem und entsprechendes drahtloses Telekommunikationssystem
110811	110811-US-PCT	US6741854	09/380496	20030032420	US	25-May-04	29-Dec-18	29-Dec-98	METHOD FOR TRANSFERRING OPERATING PARAMETERS FROM A CONTROL CENTER TO A LOCALLY LIMITED WIRELESS TELECOMMUNICATIONS SYSTEM AND A CORRESPONDING WIRELESS TELECOMMUNICATIONS SYSTEM
110811	110811-JP-PCT	JP4152451	535651/99	2001515680	JP	11-Jul-08	29-Dec-18	29-Dec-98	Method for distributing parameters in a cordless network system
110836	110836-US-CIP	US6463293	09/536976		US	8-Oct-02	25-Sep-17	28-Mar-00	Method for preparing a terminal to be used in a system, and system, and terminal
110836	110836-US-NP	US6067351	09/160749		US	23-May-00	25-Sep-18	25-Sep-98	Method for preparing a terminal to be used in a system, and system, and terminal
110840	110840-US-NP	US6067352	09/161110		us	23-May-00	25-Sep-18	25-Sep-98	Printer-option system for exchanging data between a terminal and access means via a telephone network, and access means, and terminal
110917	110917-DE-EPA	EP0981087	99440217.0	EP0981087	DE	2-Mar-05	29-Jul-19	29-Jul-99	Verfahren, Module und Vermittlungsstelle zum Kennzeichnen von Prozessen sowie von deren Daten und Betriebsmitteln
110917	110917-FR-EPA	EP0981087	99440217.0	EP0981087	FR	2-Mar-05	29-Jul-19	29-Jul-99	Method, module and controller for registering processes as well as their data and resources
110917	110917-GB-EPA	EP0981087	99440217.0	EP0981087	GB	2-Mar-05	29-Jul-19	29-Jul-99	Method, module and controller for registering processes as well as their data and resources
110917	110917-IT-EPA	EP0981087	99440217.0	EP0981087	п	2-Mar-05	29-Jul-19	29-Jul-99	Method, module and controller for registering processes as well as their data and resources
110917	110917-US-NP	US6938255	09/365784		US	30-Aug-05	3-Aug-19	3-Aug-99	Process Relinking  Method for cooperative multitasking in a
110995	110995-US-NP	US6675190	09/414311		US	6-Jan-04	7-Oct-19	7-Oct-99	communications network, and a network element for carrying out the method
111092	111092-US-NP	US6790044	09/440690		US	14-Sep-04	16-Nov-19	16-Nov-99	Process for the automatic creation and monitoring of a progress plan for a training course by a computer
111106	111106-DE-EPA	EP0994613	99440278.2	EP0994613	DE	26-Sep-07	15-Oct-19	15-Oct-99	Transmission system with spectrum widening with multi-carrier modulation
111106	111106-FR-EPA	EP0994613	99440278.2	EP0994613	FR	26-Sep-07	15-Oct-19	15-Oct-99	Transmission system with spectrum widening with multi-carrier modulation
111106	111106-GB-EPA	EP0994613	99440278.2	EP0994613	GB	26-Sep-07	15-Oct-19	15-Oct-99	Transmission system with spectrum widening with multi-carrier modulation
111106	111106-US-NP	US6680966	09/418250	20030215001	US	20-Jan-04	15-Oct-19	15-Oct-99	SPREAD-SPECTRUM TRANSMISSION SYSTEM WITH FILTERED MULTI-CARRIER MODULATION
111180	111180-US-NP	US6597666	09/447299		US	22-Jul-03	23-Nov-19	23-Nov-99	Editor for Switch Configuration Data Système de transmission TDMA multipoint à point
111278	111278-US-NP	US6731615	09/551493		US	4-May-04	18-Apr-20	18-Apr-00	utilisant une structure de burst particulièreet émetteur correspondant
111298	111298-DE-EPA	EP1076437	00116747.7	EP1076437	DE	16-Apr-08	3-Aug-20	3-Aug-00	Editierverfahren für Konfigurationsdaten eines Telekommunikationssystems sowie Computerproduk und Server dafür
111298	111298-FR-EPA	EP1076437	00116747.7	EP1076437	FR	16-Apr-08	3-Aug-20	3-Aug-00	Editierverfahren für Konfigurationsdaten eines Telekommunikationssystems sowie Computerproduk und Server dafür
111298	111298-GB-EPA	EP1076437	00116747.7	EP1076437	GB	16-Apr-08	3-Aug-20	3-Aug-00	Editierverfahren für Konfigurationsdaten eines Telekommunikationssystems sowie Computerproduk und Server dafür
111300	111300-DE-EPA	EP1085676	99402269.7	EP1085676	DE	22-Oct-14	16-Sep-19	16-Sep-99	Method of controlling power in a transmission link between a transmitter and reciver in a point to multipoint communication network and system for carrying out said method
111300	111300-FR-EPA	EP1085676	99402269.7	EP1085676	FR	22-Oct-14	16-Sep-19	16-Sep-99	Method of controlling power in a transmission link between a transmitter and reciver in a point to multipoint communication network and system for carrying out said method
111300	111300-GB-EPA	EP1085676	99402269.7	EP1085676	GB	22-Oct-14	16-Sep-19	16-Sep-99	Method of controlling power in a transmission link between a transmitter and reciver in a point to multipoint communication network and system for carrying out said method
111300	111300-US-NP	US6650906	09/659606		US	18-Nov-03	9-Feb-22	11-Sep-00	Method of controlling power in a transmission link
111352	111352-CN-PCT	ZL00801321.7	00801321.7	1317180A	CN	19-Oct-05	30-Jun-20	30-Jun-00	Procédé d'allocation/partage de ressources entre plusieurs abonnés d'un réseau de communications
111376	111376-US-NP	US6760320	09/295392		US	6-Jul-04	21-Apr-19	21-Apr-99	CHANNEL ADAPTIVE FAST POWER CONTROL IN CDMA
111379	111379-US-NP	US6717953	09/656069		US	6-Apr-04	17-Sep-22	6-Sep-00	Method of and facility for converting a sonet signal, to an SDH signal
111412	111412-US-NP	US6324401	09/356458		US	27-Nov-01	19-Jul-19	19-Jul-99	Combined uplink and downlink handover criteria
111451	111451-US-NP	US6999526	09/750058	20010007442	us	14-Feb-06	18-Sep-22	29-Dec-00	Method for simple signal, tone and phase change detection
111480	111480-US-CIP	US7012896	09/154966		US	14-Mar-06	20-Apr-18	17-Sep-98	DEDICATED BANDWIDTH DATA COMMUNICATION SWITCH BACKPLANE
111480	111480-DE-EPA	EP0952702	99440076.0	EP0952702	DE	3-Aug-05	19-Apr-19	19-Apr-99	Rückwandverdrahtung mit zugeordneter Bandbreite für Datenvermittlung
111480	111480-GB-EPA	EP0952702	99440076.0	EP0952702	GB	3-Aug-05	19-Apr-19	19-Apr-99	Dedicated bandwidth data communication switch backplane
111480	111480-IT-EPA	EP0952702	99440076.0	EP0952702	IT	3-Aug-05	19-Apr-19	19-Apr-99	Dedicated bandwidth data communication switch backplane
111480	111480-FR-EPA	EP0952702	99440076.0	EP0952702	FR	3-Aug-05	19-Apr-19	19-Apr-99	Dedicated bandwidth data communication switch backplane
111480	111480-US-DIV	US7586849	11/231920	20060013225	US	8-Sep-09	23-Apr-20	21-Sep-05	DEDICATED BANDWIDTH DATA COMMUNICATION SWITCH BACKPLANE

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111639	111639-US-NP	US6795693	09/836342	20010049264	US	21-Sep-04	9-Oct-22	18-Apr-01	A Method for Controlling the Transmitter Part of a Radio Transceiver and a Corresponding Radio Transceiver
111649	111649-US-NP	US7099583	10/101958	20020149815	US	29-Aug-06	5-Jan-24	21-Mar-02	Optischer Crossconnect
111697	111697-DE-EPA	EP1119174	01440004.8	EP1119174	DE	23-Apr-03	10-Jan-21	10-Jan-01	Verfahren, Vermittlungsstelle, Gebührenrechner, Gebührenabrechnungsrechner und Programm- Module zur Verarbeitung von Gebührendaten für Telekommunikations-Dienstleistungen
111697	111697-FR-EPA	EP1119174	01440004.8	EP1119174	FR	23-Apr-03	10-Jan-21	10-Jan-01	Verfahren, Vermittlungsstelle, Gebührenrechner, Gebührenabrechnungsrechner und Programm- Module zur Verarbeitung von Gebührendaten für Telekommunikations-Dienstleistungen
111697	111697-GB-EPA	EP1119174	01440004.8	EP1119174	GB	23-Apr-03	10-Jan-21	10-Jan-01	Verfahren, Vermittlungsstelle, Gebührenrechner, Gebührenabrechnungsrechner und Programm- Module zur Verarbeitung von Gebührendaten für Telekommunikations-Dienstleistungen
111697	111697-П-ЕРА	EP1119174	01440004.8	EP1119174	п	23-Apr-03	10-Jan-21	10-Jan-01	Verfahren, Vermittlungsstelle, Gebührenrechner, Gebührenabrechnungsrechner und Programm- Module zur Verarbeitung von Gebührendaten für Telekommunikations-Dienstleistungen
111697	111697-US-NP	US6754320	09/757576	20010040947	US	22-Jun-04	27-Jan-21	11-Jan-01	Process, exchange, charge computer, charge billing computer and program modules for the processing of charge data for telecommunications services
111705	111705-DE-EPA	EP1103956	00124577.8	EP1103956	DE	8-Jun-05	10-Nov-20	10-Nov-00	Exponentielle Echo- und Geräuschabsenkung in Sprachpausen
111705	111705-FR-EPA	EP1103956	00124577.8	EP1103956	FR	8-Jun-05	10-Nov-20	10-Nov-00	Exponentielle Echo- und Geräuschabsenkung in Sprachpausen
111705	111705-GB-EPA	EP1103956	00124577.8	EP1103956	GB	8-Jun-05	10-Nov-20	10-Nov-00	Exponentielle Echo- und Geräuschabsenkung in Sprachpausen
111705	111705-US-NP	US6999920	09/716272		US	14-Feb-06	21-Oct-23	21-Nov-00	Exponentielle Echo- und Geräuschabsenkung in Sprachpausen
111746	111746-DE-EPA	EP1120931	00440019.8	EP1120931	DE	12-Oct-05	25-Jan-20	25-Jan-00	A Method for Enhancing the Capacity of a Cellular
111746	111746-FR-EPA	EP1120931	00440019.8	EP1120931	FR	12-Oct-05	25-Jan-20	25-Jan-00	A Method for Enhancing the Capacity of a Cellular Radio-Communication System and Corresponding System
111746	111746-GB-EPA	EP1120931	00440019.8	EP1120931	GB	12-Oct-05	25-Jan-20	25-Jan-00	A Method for Enhancing the Capacity of a Cellular Radio-Communication System and Corresponding System
111770	111770-US-NP	US6954523	09/801693	20010026612	US	11-Oct-05	17-Jul-22	9-Mar-01	A method for providing a service in a telecommunication network and a coresonding infrastructure manager
111897	111897-US-PCT	US7203650	10/069612	20020138277	US	10-Apr-07	14-Apr-23	7-May-01	Telecommunication system, and speech recognizer, and terminal, and method
111897	111897-DE-EPA	EP1168303	00440197.2	EP1168303	DE	13-Sep-06	30-Jun-20	30-Jun-00	Telecommunication system, and speech recognizer, and terminal, and method
111897	111897-FR-EPA	EP1168303	00440197.2	EP1168303	FR	13-Sep-06	30-Jun-20	30-Jun-00	Telecommunication system, and speech recognizer, and terminal, and method
111897	111897-GB-EPA	EP1168303	00440197.2	EP1168303	GB	13-Sep-06	30-Jun-20	30-Jun-00	Telecommunication system, and speech recognizer, and terminal, and method
111897	111897-IT-EPA	EP1168303	00440197.2	EP1168303	П	13-Sep-06	30-Jun-20	30-Jun-00	Telecommunication system, and speech recognizer, and terminal, and method
111913	111913-US-NP	US7024480	09/985243	20020056005	US	4-Apr-06	6-Oct-23	2-Nov-01	Frequency division multiplex transmission signal receiving apparatus using a plurality of carriers
111937	111937-US-NP	US7203225	10/422946	20030206606	US	10-Apr-07		25-Apr-03	Method of phase controlling of a data signal, counter clock circuit arrangement, and interface device
111950	111950-US-NP 111950-US-CPA	US6941542 US7603650	09/902579 11/167176	20050246679	US US	6-Sep-05 13-Oct-09	5-Jun-24	28-Jun-05	Process for generating information models  Process for generating information models
112027	112027-US-NP	US6833947	10/348954	20030156784	US	21-Dec-04	2-May-23	23-Jan-03	Optical Fiber Transmission System  Method for connecting a terminal over an access
112049	112049-DE-EPA	EP1370103	02360165.1	EP1370103	DE	29-Sep-04	7-Jun-22	7-Jun-02	network to the core puart of a radio communication network and corresponding gateway
112049	112049-FR-EPA	EP1370103	02360165.1	EP1370103	FR	29-Sep-04	7-Jun-22	7-Jun-02	Method for connecting a terminal over an access network to the core puart of a radio communication network and corresponding gateway
112049	112049-GB-EPA	EP1370103	02360165.1	EP1370103	GB	29-Sep-04	7-Jun-22	7-Jun-02	Method for connecting a terminal over an access network to the core puart of a radio communication network and corresponding gateway
112049	112049-IT-EPA	EP1370103	02360165.1	EP1370103	п	29-Sep-04	7-Jun-22	7-Jun-02	Method for connecting a terminal over an access network to the core puart of a radio communication network and corresponding gateway
112064	112064-CN-NP	ZL02130328.2	02130328.2	1216474	CN	24-Aug-05	16-Aug-22	16-Aug-02	METHOD FOR TRANSFERRING A CALL BETWEEN A TELECOMMUNICATIONS NETWORK AND A DATA NETWORK
112064	112064-DE-EPA	EP1286508	01440267.1	EP1286508	DE	13-Jul-05	17-Aug-21	17-Aug-01	Verfahren zur Übergabe eines Anrufs zwischen einem Telekommunikationsnetzwerk und einem Datennetzwerk
112064	112064-ES-EPA	EP1286508	01440267.1	EP1286508	ES	13-Jul-05	17-Aug-21	17-Aug-01	Method to transmit a call between a telecommunication network and a data network
112064	112064-FR-EPA	EP1286508	01440267.1	EP1286508	FR	13-Jul-05	17-Aug-21	17-Aug-01	Procédé pour transmettre un appel d'un réseau de télécommunication à un réseau de données
112064	112064-GB-EPA	EP1286508	01440267.1	EP1286508	GB	13-Jul-05	17-Aug-21	17-Aug-01	Method to transmit a call between a telecommunication network and a data network

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112064	112064-П-ЕРА	EP1286508	01440267.1	EP1286508	п	13-Jul-05	17-Aug-21	17-Aug-01	Verfahren zur Übergabe eines Anrufs zwischen einem Telekommunikationsnetzwerk und einem Datennetzwerk
112064	112064-NL-EPA	EP1286508	01440267.1	EP1286508	NL	13-Jul-05	17-Aug-21	17-Aug-01	Method for transferring a call between a telecommunications network and a data network
112064	112064-US-NP	US8054825	10/217427	20030035415	US	8-Nov-11	23-Jan-32	14-Aug-02	Method For Transferring A Call Between A Telecommunications Network And A Data Network
113005	113005-US-NP	US7372950	10/098508	20020143678	US	13-May-08	23-Dec-25	18-Mar-02	Method for supporting the communication of
113027	113027-DE-EPA	EP1313268	01440286.1	EP1313268	DE	9-Feb-05	29-Aug-21	29-Aug-01	Information via a communications system Router
	113027-FR-EPA	EP1313268	01440286.1	EP1313268	FR	9-Feb-05	29-Aug-21		
	113027-GB-EPA 113027-US-NP	EP1313268 US7515539	01440286.1 10/228300	EP1313268 20030043831	GB US	9-Feb-05 7-Apr-09	29-Aug-21 6-Apr-25	29-Aug-01 27-Aug-02	
113098	113098-US-NP 113163-DE-EPA	US7266087 EP1282256	10/285508	20030103525 EP1282256	US DE	4-Sep-07 4-Oct-06	29-Jul-25 1-Aug-21	1-Nov-02	IP platform for advanced multipoint access systems  Eye monitor for signal analysis
	113163-FR-EPA	EP1282256	01440248.1	EP1282256	FR	4-Oct-06	1-Aug-21	1-Aug-01	· · · · · · · · · · · · · · · · · · ·
	113163-GB-EPA	EP1282256	01440248.1	EP1282256	GB	4-Oct-06	1-Aug-21		Eye monitor for signal analysis
	113163-IT-EPA 113163-US-NP	EP1282256 US6784653	01440248.1 10/192549	EP1282256 20030025491	IT US	4-Oct-06 31-Aug-04	1-Aug-21 6-Mar-23		Eye monitor for signal analysis  Eye Monitor
113208	113208-CN-NP	ZL1220897	02159548.8	1432831	CN	28-Sep-05	27-Dec-22		Variable optische Verzögerungsleitung und Verwendung der variablen optischen Verzögerungsleitung
113208	113208-DE-EPA	EP1326131	02360008.3	EP1326131	DE	28-Feb-04	8-Jan-22	8-Jan-02	Variable optische Verzögerungsleitung und Verwendung der variablen optischen Verzögerungsleitung
113208	113208-FR-EPA	EP1326131	02360008.3	EP1326131	FR	28-Jul-04	8-Jan-22	8-Jan-02	Variable optische Verzögerungsleitung und Verwendung der variablen optischen Verzögerungsleitung
113208	113208-GB-EPA	EP1326131	02360008.3	EP1326131	GB	28-Jul-04	8-Jan-22	8-Jan-02	Variable optische Verzögerungsleitung und Verwendung der variablen optischen Verzögerungsleitung
113208	113208-IT-EPA	EP1326131	02360008.3	EP1326131	п	28-Jul-04	8-Jan-22	8-Jan-02	Variable optische Verzögerungsleitung und Verwendung der variablen optischen Verzögerungsleitung
113208	113208-US-NP	US6795596	10/320509	20030128906	US	21-Sep-04	17-Dec-22	17-Dec-02	Variable optical delay line and use of the variable optical delay line
113216	113216-DE-EPA	EP1313276	01440391.9	EP1313276	DE	9-Jul-03	19-Nov-21	19-Nov-01	Verfahren zum Empfang eines Nachrichtensignals, Empfänger, Empfangsvorrichtung und Nachrichtenübertragungssystem dafür
113216	113216-FR-EPA	EP1313276	01440391.9	EP1313276	FR	9-Jul-03	19-Nov-21	19-Nov-01	Verfahren zum Empfang eines Nachrichtensignals, Empfänger, Empfangsvorrichtung und Nachrichtenübertragungssystem dafür
113216	113216-GB-EPA	EP1313276	01440391.9	EP1313276	GB	9-Jul-03	19-Nov-21	19-Nov-01	Verfahren zum Empfang eines Nachrichtensignals, Empfänger, Empfangsvorrichtung und Nachrichtenübertragungssystem dafür
113216	113216-П-ЕРА	EP1313276	01440391.9	EP1313276	п	9-Jul-03	19-Nov-21	19-Nov-01	Verfahren zum Empfang eines Nachrichtensignals, Empfänger, Empfangsvorrichtung und Nachrichtenübertragungssystem dafür
113216	113216-US-NP	US7257180	10/295827	20030095614	US	14-Aug-07	7-Oct-24	18-Nov-02	Method for receiving a message signal, receiver, receiving device and message transmission system for this
113244	113244-CN-NP	ZL02152676.1	02152676.1	1423134	CN	28-May-08	29-Nov-22	29-Nov-02	Verfahren zur Bestimmung der Entfernung zwischen einer Mobilstation und einer Basisstation
113244	113244-DE-EPA	EP1317161	02360321.1	EP1317161	DE	28-May-08	22-Nov-22	22-Nov-02	Verfahren zur Bestimmung der Entfernung zwischen einer Mobilstation und einer Basisstation
113244	113244-FR-EPA	EP1317161	02360321.1	EP1317161	FR	28-May-08	22-Nov-22	22-Nov-02	Verfahren zur Bestimmung der Entfernung zwischen einer Mobilstation und einer Basisstation
113244	113244-GB-EPA	EP1317161	02360321.1	EP1317161	GB	28-May-08	22-Nov-22	22-Nov-02	Verfahren zur Bestimmung der Entfernung zwischen einer Mobilstation und einer Basisstation
113272	113272-CN-NP	ZL1229946	03142493.7	CN1474560	CN	30-Nov-05	12-Jun-23	12-Jun-03	METHOD, MEDIUM ACCESS CONTROLLER, CONTROL MODULE, TERMINATING DEVICE AND TERMINATING MODULE FOR ALLOCATING TRANSMISSION CAPACITY OF A SHARED MEDIUM IN A MULTIPOINT-TO-POINT NETWORK
113272	113272-DE-EPA	EP1372312	02360174.3	EP1372312	DE	2-Jan-08	13-Jun-22	13-Jun-02	Verfahren, Medium-Zugangscontroller, Kontrollmodul, Terminierungsvorrichtung und Terminierungsmodul zur Zuteilung von Übertragungskapazität eines gemeinsamen Mediums bei einem Mehrpunkt-zu-Punkt-Netzwerk
113272	113272-FR-EPA	EP1372312	02360174.3	EP1372312	FR	2-Jan-08	13-Jun-22	13-Jun-02	Verfahren, Medium-Zugangscontroller, Kontrollmodul, Terminierungsvorrichtung und Terminierungsmodul zur Zuteilung von Übertragungskapazität eines gemeinsamen Mediums bei einem Mehrpunkt-zu-Punkt-Netzwerk
113272	113272-GB-EPA	EP1372312	02360174.3	EP1372312	GB	2-Jan-08	13-Jun-22	13-Jun-02	Verfahren, Medium-Zugangscontroller, Kontrollmodul, Terminierungsvorrichtung und Terminierungsmodul zur Zuteilung von Übertragungskapazität eines gemeinsamen Mediums bei einem Mehrpunkt-zu-Punkt-Netzwerk
113335	113335-DE-EPA	EP1315024	01440380.2	EP1315024	DE	21-Apr-04	12-Nov-21	12-Nov-01	Tunable Optical Device and Optical System Using the Tunable Optical Device as Coding Filter
113335	113335-FR-EPA	EP1315024	01440380.2	EP1315024	FR	21-Apr-04	12-Nov-21	12-Nov-01	Tunable Optical Device and Optical System Using the Tunable Optical Device as Coding Filter

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113335	113335-GB-EPA	EP1315024	01440380.2	EP1315024	GB	21-Apr-04	12-Nov-21	12-Nov-01	Tunable Optical Device and Optical System Using the Tunable Optical Device as Coding Filter
113335	113335-US-NP	US6917734	10/290195	20030091286	US	12-Jul-05	5-Apr-23	8-Nov-02	Tunable Optical Device and Optical System Using the Tunable Optical Device as Coding Filter
113415	113415-US-NP	US7228076	10/373023	20030202797	US	5-Jun-07	15-Mar-25	26-Feb-03	Method for Remodulation of a Modulated Optical Signal and Device for Remodulation and Transmission System
113447	113447-US-NP	US7042916	10/827274	20040240487	us	9-May-06	9-Jun-24	20-Apr-04	Algorithm to control the power distribution of a multi-output-wavelength Raman laser
113468	113468-DE-EPA	EP1394773	02017836.4	EP1394773	DE	29-Mar-06	8-Aug-22	8-Aug-02	Verfahren zur Signalkodierung mittels einer
113468	113468-FR-EPA	EP1394773	02017836.4	EP1394773	FR	29-Mar-06	8-Aug-22	8-Aug-02	Vektorquantisierung  Method of coding a signal using vector quantization
113468	113468-GB-EPA	EP1394773	02017836.4	EP1394773	GB	29-Mar-06	8-Aug-22	8-Aug-02	Method of coding a signal using vector quantization
113468	113468-IT-EPA	EP1394773	02017836.4	EP1394773	п	29-Mar-06	8-Aug-22	8-Aug-02	Method of coding a signal using vector quantization
113468	113468-US-NP	US7769581	10/617210	20040030549	US	3-Aug-10	11-Jul-23	11-Jul-03	Method of coding a signal using vector quantization
113487	113487-US-NP	US7554923	10/437054	20030231638	US	30-Jun-09	30-Jun-26	14-May-03	Tandem Connection Activation/Deactivation
113487	113487-DE-EPA 113487-FR-EPA	EP1372288	02360171.9	EP1372288	DE FR	25-Aug-04	12-Jun-22		Tandem Connection Activation/Deactivation
113487 113487	113487-FR-EPA 113487-GB-EPA	EP1372288 EP1372288	02360171.9 02360171.9	EP1372288 EP1372288	GB	25-Aug-04 25-Aug-04			Tandem Connection Activation/Deactivation Tandem Connection Activation/Deactivation
113487	113487-IT-EPA	EP1372288	02360171.9	EP1372288	IT	25-Aug-04	12-Jun-22		Tandem Connection Activation/Deactivation
113507	113507-US-NP	US7088819	10/504021	20050141570	US	8-Aug-06	19-Oct-24	9-Aug-04	Localization of an IP telecommunications terminal over a LAN
113509	113509-CN-NP	ZL200310100591	200310100591.1	1497855	CN	20-Dec-06	20-Oct-23	20-Oct-03	A Phase-Shifted Binary Transmission Encoder, a Phase Modulator, and an Optical Network Element for Encoding Phase Shifted Binary Transmission
113509	113509-DE-EPA	EP1414152	02360288.1	EP1414152	DE	20-Apr-05	21-Oct-22	21-Oct-02	Binärkodierer zur Phasenverschiebung für einen Phasenmodulator in einem optischen Netzwerk
113509	113509-FR-EPA	EP1414152	02360288.1	EP1414152	FR	20-Apr-05	21-Oct-22	21-Oct-02	A Phase-Shifted Binary Transmission Encoder, a Phase Modulator, and an Optical Network Element for Encoding Phase Shifted Binary Transmission
113509	113509-GB-EPA	EP1414152	02360288.1	EP1414152	GB	20-Apr-05	21-Oct-22	21-Oct-02	A Phase-Shifted Binary Transmission Encoder, a Phase Modulator, and an Optical Network Element for Encoding Phase Shifted Binary Transmission
113509	113509-US-NP	US7009461	10/662380	20040075509	US	7-Mar-06	31-Dec-23		Phase shifted binary transmission encoder, a phase modulator, and an optical network element for encoding phase shifted binary transmission
113529 113529	113529-DE-EPA 113529-FR-EPA	EP1401205 EP1401205	02360261.8 02360261.8	EP1401205 EP1401205	DE FR	25-Apr-12 25-Apr-12	5-Sep-22		Monitoring support server
113529	113529-FR-EPA	EP1401205	02360261.8	EP1401205	GB	25-Apr-12 25-Apr-12			Monitoring support server  Monitoring support server
113548	113548-CN-NP	ZL03149678.4	03149678.4	1481087	CN	14-Sep-05	5-Aug-23		ADAPTIVE CHROMATIC DISPERSION COMPENSATOR
113548	113548-DE-EPA	EP1388961	02360234.5	EP1388961	DE	13-Jun-07	6-Aug-22	6-Aug-02	Adaptive chromatic dispersion compensator
113548	113548-FR-EPA	EP1388961	02360234.5	EP1388961	FR	13-Jun-07	6-Aug-22		Adaptive chromatic dispersion compensator
113548	113548-GB-EPA	EP1388961	02360234.5	EP1388961	GB	13-Jun-07			Adaptive chromatic dispersion compensator
113548	113548-US-NP	US6842547	10/626597	20040151509	US	11-Jan-05	29-Jul-23	25-Jul-03	ADAPTIVE CHROMATIC DISPERSION COMPENSATOR
113607	113607-US-NP	US7106500	10/825120	20040207908	US	12-Sep-06	23-May-24		Raman amplifier system Polarization Mode Dispersion Controller Device and
113609	113609-DE-EPA	EP1427120	02360332.7	EP1427120	DE	9-Feb-05	3-Dec-22	3-Dec-02	Method for its Operation  Polarization Mode Dispersion Controller Device and
113609	113609-FR-EPA	EP1427120	02360332.7	EP1427120	FR	9-Feb-05	3-Dec-22	3-Dec-02	Method for its Operation Polarization Mode Dispersion Controller Device and
113609	113609-GB-EPA	EP1427120	02360332.7	EP1427120	GB	9-Feb-05	3-Dec-22	3-Dec-02	Method for its Operation
113609	113609-US-NP 113615-US-NP	US7289739 US7630347	10/715557	20040105683	US	30-Oct-07 8-Dec-09	20-Sep-25 23-Feb-27		Method for its Operation  A hybrid UMTS/WLAN telecommunication system
113615	113615-CN-NP	ZL200310100424	200310100424.7	1497919	CN	10-Nov-06	15-Oct-23		A hybrid UMTS/WLAN telecommunication system
113615	113615-DE-EPA	.7 EP1411670	02360285.7	EP1411670	DE	28-Dec-05	17-Oct-22		A hybrid UMTS/WLAN telecommunication system
113615	113615-FR-EPA	EP1411670	02360285.7	EP1411670	FR	28-Dec-05	17-Oct-22		A hybrid UMTS/WLAN telecommunication system
113615	113615-GB-EPA	EP1411670	02360285.7	EP1411670	GB	28-Dec-05	17-Oct-22		A hybrid UMTS/WLAN telecommunication system
113615	113615-IT-EPA	EP1411670	02360285.7	EP1411670	п	28-Dec-05	17-Oct-22	17-Oct-02	A hybrid UMTS/WLAN telecommunication system
113699	113699-US-DIV	US8811589	11/686674	20070153992	US	19-Aug-14	22-Mar-28	15-Mar-07	Method To Provide An Operator Selection Service As Well As A Communications Network And A Call Server Therefore
113699	113699-US-NP	US7260206	10/685514	20040081306	US	21-Aug-07	2-Sep-25	16-Oct-03	A method to provide an operator selection service as well as a communications network and a call server therefore
113714	113714-US-NP	US7239878	10/803888	20050003806	US	3-Jul-07	19-Mar-24	19-Mar-04	A telecommunication method for a wireless network
113736	113736-DE-EPA	EP1489806	03291439.2	EP1489806	DE	19-Jan-05	16-Jun-23	16-Jun-03	Method for transmitting signalling information between an access point and a terminal of a multi-carrier radio communication network
113736	113736-FR-EPA	EP1489806	03291439.2	EP1489806	FR	19-Jan-05	16-Jun-23	16-Jun-03	Method for transmitting signalling information between an access point and a terminal of a multicarrier radio communication network
113736	113736-GB-EPA	EP1489806	03291439.2	EP1489806	GB	19-Jan-05	16-Jun-23	16-Jun-03	Method for transmitting signalling information between an access point and a terminal of a multi- carrier radio communication network

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113736	113736-US-NP	US7346132	10/849125	20040253960	US	18-Mar-08	13-Feb-26	20-May-04	Method for transmitting signalling information beween an access point and a terminal of a multi- carrier radio communication network
113772	113772-CN-NP	ZL200310118531 .2	200310118531.2	1509112	CN	19-Apr-06	12-Dec-23	12-Dec-03	A telecommunication method supporting multiple air interfaces
113772	113772-DE-EPA	EP1432263	02360350.9	EP1432263	DE	28-Sep-05	16-Dec-22	16-Dec-02	A telecommunication method supporting multiple air interfaces
113772	113772-FR-EPA	EP1432263	02360350.9	EP1432263	FR	28-Sep-05	16-Dec-22	16-Dec-02	A telecommunication method supporting multiple air interfaces
113772	113772-GB-EPA	EP1432263	02360350.9	EP1432263	GB	28-Sep-05	16-Dec-22	16-Dec-02	A telecommunication method supporting multiple air interfaces
113772	113772-IT-EPA	EP1432263	02360350.9	EP1432263	п	28-Sep-05	16-Dec-22	16-Dec-02	A telecommunication method supporting multiple air interfaces
113772	113772-US-NP	US7433707	10/699687	20040116153	US	7-Oct-08	6-Jul-25	4-Nov-03	A telecommunication method supporting multiple air interfaces
113805 113805	113805-DE-EPA 113805-FR-EPA	EP1422968 EP1422968	02360317.8 02360317.8	EP1422968 EP1422968	DE FR	13-Jan-10 13-Jan-10		19-Nov-02 19-Nov-02	
113805	113805-FR-EPA 113805-GB-EPA	EP1422968	02360317.8	EP1422968	GB	13-Jan-10	19-Nov-22	19-Nov-02	Failure Localization in a Transmission Network
113805	113805-US-NP	US7333425	10/685414	20060126503	US	19-Feb-08	25-Apr-26	16-Oct-03	Failure Localization in a Transmission Network
113903	113903-US-NP	US8165569	10/781628	20040203712	US	24-Apr-12	29-Feb-28	20-Feb-04	Method For Distribution Video Information To Mobile Phone Based On Push Technology
113903	113903-JP-NP	JP4073819	2003106492	2004312605	J <sub>P</sub>	1-Feb-08	10-Apr-23	10-Apr-03	METHOD FOR DISTRIBUTING VIDEO INFORMATION TO MOBILE PHONE BASED ON PUSH TECHNOLOGY
113984	113984-DE-EPA	EP1523118	03292496.1	EP1523118	DE	15-Feb-06	9-Oct-23		Optical Packet Transmission Optical Packet Transmission
113984 113984	113984-FR-EPA 113984-GB-EPA	EP1523118 EP1523118	03292496.1 03292496.1	EP1523118 EP1523118	FR GB	15-Feb-06 15-Feb-06	9-Oct-23 9-Oct-23		Optical Packet Transmission Optical Packet Transmission
113984	113984-US-NP	US7535837	10/935275	20050078684	US	19-May-09	26-Jan-27	8-Sep-04	OPTICAL PACKET TRANSMISSION
114013	114013-DE-EPA	EP1511333	03292144.7	EP1511333	DE	17-Sep-08	29-Aug-23	29-Aug-03	Fast delivery of multimedia messages in cellular networks
114013	114013-ES-EPA	EP1511333	03292144.7	EP1511333	ES	17-Sep-08	29-Aug-23	29-Aug-03	Fast delivery of multimedia messages in cellular networks
114013	114013-FR-EPA	EP1511333	03292144.7	EP1511333	FR	17-Sep-08	29-Aug-23	29-Aug-03	Fast delivery of multimedia messages in cellular networks
114013	114013-GB-EPA	EP1511333	03292144.7	EP1511333	GB	17-Sep-08	29-Aug-23	29-Aug-03	Fast delivery of multimedia messages in cellular networks
114013	114013-IT-EPA	EP1511333	03292144.7	EP1511333	п	17-Sep-08	29-Aug-23	29-Aug-03	Fast delivery of multimedia messages in cellular networks
114034	114034-US-NP	US7616898	11/091532	20050259992	US	10-Nov-09	4-Jan-27	29-Mar-05	A method of operating an optical transmission system with a bit-to-bit polarization interleaved bitstream
114051	114051-US-NP	US7509056	11/023427	20050201760	us	24-Mar-09	19-Jul-26	29-Dec-04	Method and system for generating CS-RZ pulses showing narrow width of bit duration
114069	114069-US-NP	US7519049	10/790236		US	14-Apr-09	20-Apr-26	2-Mar-04	MOBILE PHONE SYSTEM
114168	114168-US-NP	US7440395	11/059438		US	21-Oct-08	2-Aug-26	17-Feb-05	Telecommunication Switch and Operating Method
114191	114191-CN-NP	ZL200510079871 .8	200510079871.8	1716909	CN	20-Aug-08			Ad-hoc extensions of a cellular air interface
114191 114191	114191-US-NP 114191-DE-EPA1	US7336927 EP1613006	11/147194 05014054.0	20060002332 EP1613006	US DE	26-Feb-08 10-Jan-07	14-Mar-26 29-Jun-25	8-Jun-05 29-Jun-05	Ad-hoc extensions of a cellular air interface Ad-hoc extensions of a cellular air interface
114191	114191-FR-EPA1	EP1613006	05014054.0	EP1613006	FR	10-Jan-07	29-Jun-25	29-Jun-05	Ad-hoc extensions of a cellular air interface
114191 114191	114191-GB-EPA1 114191-IT-EPA1	EP1613006 EP1613006	05014054.0 05014054.0	EP1613006 EP1613006	GB IT	10-Jan-07 10-Jan-07	29-Jun-25 29-Jun-25	29-Jun-05 29-Jun-05	Ad-hoc extensions of a cellular air interface Ad-hoc extensions of a cellular air interface
114295	114295-US-NP		11/357130	20060189322	US		21-Feb-26	21-Feb-06	A method for admission control for mobile networks, an admisssion controller and a communication system therewith
114295	114295-EP-EPA		05290415.8	EP1694088	EP		22-Feb-25	22-Feb-05	A method for admission control for mobile networks , an admission controller and a communication system therewith
114306	114306-CN-NP	ZL200510097458 .4	200510097458.4	1815928	CN	2-Mar-11	28-Dec-25	28-Dec-05	Method for modulating an optical signal and optical transmitter
114306	114306-US-NP	US7599628	11/300474	20060171723	US	6-Oct-09	2-Nov-27	15-Dec-05	Method for modulating an optical signal and optical transmitter
114326	114326-CN-NP	ZL200510124398 .0	200510124398.0	1835513	CN	13-Jan-10	29-Nov-25	29-Nov-05	Method for exchanging packets of user data
114326	114326-US-NP	US7639689	11283710	20060209832	US	29-Dec-09	26-Sep-28	22-Nov-05	Method for exchanging packets of user data
114341	114341-US-NP	US7965830	11/110706	20050254439	US	21-Jun-11	3-Apr-30	21-Apr-05	Network element and method of mapping address information
114352	114352-US-NP	US7630480	11/059603	20050207553	US	8-Dec-09	10-Oct-28	17-Feb-05	Service Provisioning System
114394	114394-MX-PCT	MX266668	2005012876		мх	12-May-09	18-May-25	18-May-05	Method of Providing a Signing Key for Digitally Signing Verifying or Encrypting Data and Mobile Terminal
114424	114424-CN-PCT	ZL200680002995 .9	200680002995.9	101107639	CN	8-Jul-09	25-Jan-26	25-Jan-06	PROCEDE POUR ETABLIR UN APPEL D'URGENCE DANS UN RESEAU LOCAL INFORMATIQUE, TERMINAL ET SERVEUR POUR LA MISE EN OEUVRE DE CE PROCEDE
114424	114424-DE-EPA	EP1686552	05290188.1	EP1686552	DE	16-Sep-09	26-Jan-25	26-Jan-05	PROCEDE POUR ETABLIR UN APPEL D'URGENCE DANS UN RESEAU LOCAL INFORMATIQUE, TERMINAL ET SERVEUR POUR LA MISE EN OEUVRE DE CE PROCEDE
114424	114424-ES-EPA	EP1686552	05290188.1	EP1686552	ES	16-Sep-09	26-Jan-25	26-Jan-05	PROCEDE POUR ETABLIR UN APPEL D'URGENCE DANS UN RESEAU LOCAL INFORMATIQUE, TERMINAL ET SERVEUR POUR LA MISE EN OEUVRE DE CE PROCEDE
114424	114424-FR-EPA	EP1686552	05290188.1	EP1686552	FR	16-Sep-09	26-Jan-25	26-Jan-05	PROCEDE POUR ETABLIR UN APPEL D'URGENCE DANS UN RESEAU LOCAL INFORMATIQUE, TERMINAL ET SERVEUR POUR LA MISE EN OEUVRE DE CE PROCEDE
114424	114424-GB-EPA	EP1686552	05290188.1	EP1686552	GB	16-Sep-09	26-Jan-25	26-Jan-05	PROCEDE POUR ETABLIR UN APPEL D'URGENCE DANS UN RESEAU LOCAL INFORMATIQUE, TERMINAL ET SERVEUR POUR LA MISE EN OEUVRE DE CE PROCEDE
114424	114424-ІТ-ЕРА	EP1686552	05290188.1	EP1686552	п	16-Sep-09	26-Jan-25	26-Jan-05	PROCEDE POUR ETABLIR UN APPEL D'URGENCE DANS UN RESEAU LOCAL INFORMATIQUE, TERMINAL ET SERVEUR POUR LA MISE EN OEUVRE DE CE PROCEDE

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	applicateon Number	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	TITLE
114424	114424-JP-PCT	JP4794578	2007552692	2008529377	JP	5-Aug-11	25-Jan-26	25-Jan-06	PROCEDE POUR ETABLIR UN APPEL D'URGENCE DANS UN RESEAU LOCAL INFORMATIQUE, TERMINAL ET SERVEUR POUR LA MISE EN OEUVRE DE CE PROCEDE
114424	114424-US-PCT	U58428049	11/814768	20090316683	US	23-Apr-13	7-Mar-29	25-Jan-06	Method For Setting Up An Emergency Call In A Computer Local Area Network, Terminal And Server For Implementing The Method
	114435-DE-EPA	EP1617532	04291802.9	EP1617532	DE	31-May-06			WDM Laser Wavelength Control
	114435-FR-EPA	EP1617532	04291802.9	EP1617532	FR	31-May-06			WDM Laser Wavelength Control
114435 114435	114435-GB-EPA 114435-US-NP	EP1617532 US7522845	04291802.9 11/180736	EP1617532 20060013588	GB US	31-May-06 21-Apr-09	15-Jul-24 27-Jun-25		WDM Laser Wavelength Control WDM Laser Wavelength Control
114435	114435-CN-NP	ZL200510084160 .X	200510084160.X	CN1722649	CN	13-Jan-10		14-Jul-05	WDM Laser Wavelength Control
114438	114438-US-NP	US7756260	11/356120	20060198503	US	13-Jul-10	17-Feb-26	17-Feb-06	A method for providing features to the user of a telephone, a central unit and a telecommunication system therefor
114513	114513-DE-EPA	EP1667368	04292897.8	EP1667368	DE	22-Sep-10	6-Dec-24	6-Dec-04	Scheduler for a base station of a communications network and method of operating a scheduler
114513	114513-FR-EPA	EP1667368	04292897.8	EP1667368	FR	22-Sep-10	6-Dec-24	6-Dec-04	Scheduler for a base station of a communications network and method of operating a scheduler
114513	114513-GB-EPA	EP1667368	04292897.8	EP1667368	GB	22-Sep-10	6-Dec-24	6-Dec-04	Scheduler for a base station of a communications network and method of operating a scheduler
114541	114541-CN-NP	ZL200610091886 .0	200610091886.0	1893316	CN	8-Dec-10	14-Jun-26	14-Jun-06	Base station and method for allocating HS-DSCH channelisation codes in a wireless communication system
114541	114541-DE-EPA	EP1742403	05291455.3	EP1742403	DE	24-Oct-07	5-Jul-25	5-Jul-05	Base station and method for allocating HS-DSCH channelisation codes in a wireless communication system
114541	114541-FR-EPA	EP1742403	05291455.3	EP1742403	FR	24-Oct-07	5-Jul-25	5-Jul-05	Base station and method for allocating HS-DSCH channelisation codes in a wireless communication system
114541	114541-GB-EPA	EP1742403	05291455.3	EP1742403	GB	24-Oct-07	5-Jul-25	5-Jul-05	Base station and method for allocating HS-DSCH channelisation codes in a wireless communication system
	114541-US-NP	US8774099	11/446264	20070008933	US	8-Jul-14			Base Station And Method For Allocating HS-DSCH Channelisation Codes In A Wireless Communication System
114635 114635	114635-DE-EPA 114635-FR-EPA	EP1887718 EP1887718	06291298.5 06291298.5	EP1887718 EP1887718	DE FR	14-Oct-09 14-Oct-09	10-Aug-26	10-Aug-06	
	114635-GB-EPA	EP1887718	06291298.5	EP1887718	GB	14-Oct-09			Rule for operating amplifiers output power Rule for operating amplifiers output power
114640	114640-DE-EPA	EP1953941	07300715.5	EP1953941	DE	6-May-09		11-Jan-07	New WDM laser sources for Remote-Color-Managed Passive-Optical-Networks (RCM-PON)
114640	114640-FR-EPA	EP1953941	07300715.5	EP1953941	FR	6-May-09	11-Jan-27	11-Jan-07	New WDM laser sources for Remote-Color-Managed Passive-Optical-Networks (RCM-PON)
114640	114640-GB-EPA	EP1953941	07300715.5	EP1953941	GB	6-May-09	11-Jan-27	11-Jan-07	New WDM laser sources for Remote-Color-Managed Passive-Optical-Networks (RCM-PON)
114697	114697-CN-NP	ZL200510097456 .5	200510097456.5	1815926	CN	16-Dec-09	28-Dec-25	28-Dec-05	Performance monitoring for optical links
114697	114697-US-NP	US7295774	11/302259	20060177220	US	13-Nov-07	14-Dec-25	14-Dec-05	Performance monitoring for optical links
114714	114714-CN-NP	ZL200610167014 .8	200610167014.8	1997022	CN	29-Aug-12	12-Dec-26	12-Dec-06	Remotely controllable soft keys
114714	114714-DE-EPA	EP1806901	06290056.8	EP1806901	DE	7-Dec-11	4-Jan-26	4-Jan-06	Remotely controllable soft keys
114714	114714-FR-EPA	EP1806901	06290056.8	EP1806901	FR	7-Dec-11	4-Jan-26	4-Jan-06	Remotely controllable soft keys
114714	114714-GB-EPA	EP1806901	06290056.8	EP1806901	GB	7-Dec-11	4-Jan-26	4-Jan-06	Remotely controllable soft keys
114714	114714-US-NP	US7779070	11/599321	20070156828	US	17-Aug-10	13-Nov-28	15-Nov-06	Remotely controllable soft keys
114733	114733-EP-EPA	1150 45 7504	05300788.6	EP1770972	EP	40.1.40	30-Sep-25	30 300 03	PROCEDE POUR LIRE UN CLIP PERSONNALISE
114733 114786	114733-US-NP 114786-US-NP	US8467501 US7450289	11/529233	20070121922 20060250835	US	18-Jun-13 11-Nov-08			Method For Playing A Personalized Clip  Low power driver circuit for a polarization scrambler
	114791-US-NP	US8787959	11/564116	20070123288	US	22-Jul-14			Method Of Controlling A Broadcast Call
114802	114791-05-NP 114802-DE-EPA	EP1748590	05291616.0	EP1748590	DE	2-Jan-08	28-Jul-25	28-Jul-05	Wideband-narrowband telecommunication
	114802-ES-EPA	EP1748590	05291616.0	EP1748590	ES	2-Jan-08		28-Jul-05	
	114802-FR-EPA 114802-GB-EPA	EP1748590 EP1748590	05291616.0 05291616.0	EP1748590 EP1748590	FR GB	2-Jan-08 2-Jan-08			Wideband-narrowband telecommunication Wideband-narrowband telecommunication
	114802-IT-EPA	EP1748590	05291616.0	EP1748590	IT	2-Jan-08 2-Jan-08			Wideband-narrowband telecommunication
114802	114802-US-NP	US7813378	11/483522	20070036229	US	12-Oct-10	6-Jun-27	11-Jul-06	Wideband-narrowband telecommunication
114806	114806-EP-EPA		05003502.1	EP1694087	EP		18-Feb-25	18-Feb-05	Method for providing harmonized public security and safety services and corresponding service platform
114806	114806-US-NP	US7631077	11/354925	20060209747	US	8-Dec-09	13-Nov-27	16-Feb-06	Method for providing harmonized public security and safety services and corresponding service platform
114855	114855-DE-EPA	EP1784030	05292322.4	EP1784030	DE	23-Apr-08	2-Nov-25	2-Nov-05	Method of using the frequency spectrum of a TDD radio system
114855	114855-FR-EPA	EP1784030	05292322.4	EP1784030	FR	23-Apr-08		2-Nov-05	Method of using the frequency spectrum of a TDD radio system  Method of using the frequency spectrum of a TDD
114855	114855-GB-EPA	EP1784030	05292322.4	EP1784030	GB	23-Apr-08	2-Nov-25	2-Nov-05	radio system
114859	114859-US-NP	US7764630	11/584627	20070115854	US	27-Jul-10	18-Aug-28	23-Oct-06	Automatic Discovery for MTN Busses
114896	114896-CN-NP	ZL200610106450 .4	200610106450.4	1909531	CN	21-Dec-11	24-Jul-26	24-Jul-06	METHOD FOR TRANSMITTING USER DATA IN A MULT CARRIER RADIO COMMUNICATION SYSTEM, AND CORRESPONDING RECEIVER
114896	114896-DE-EPA	EP1750405	05300634.2	EP1750405	DE	27-Jun-07	1-Aug-25	1-Aug-05	METHOD FOR TRANSMITTING USER DATA IN A MULT CARRIER RADIO COMMUNICATION SYSTEM, AND CORRESPONDING RECEIVER
114896	114896-FR-EPA	EP1750405	05300634.2	EP1750405	FR	27-Jun-07	1-Aug-25	1-Aug-05	METHOD FOR TRANSMITTING USER DATA IN A MULT CARRIER RADIO COMMUNICATION SYSTEM, AND CORRESPONDING RECEIVER
114896	114896-GB-EPA	EP1750405	05300634.2	EP1750405	GB	27-Jun-07	1-Aug-25	1-Aug-05	METHOD FOR TRANSMITTING USER DATA IN A MULT CARRIER RADIO COMMUNICATION SYSTEM, AND CORRESPONDING RECEIVER

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION	TITLE
114896	114896-US-NP	US7742534	11/483720	20070025459	US	22-Jun-10			METHOD FOR TRANSMITTING USER DATA IN A MULT CARRIER RADIO COMMUNICATION SYSTEM, AND
114896	1148ap-02-ldb	05/742534	11/483720	20070025459	US	22-Jun-10	7-Dec-28	11-JUI-06	CORRESPONDING RECEIVER METHOD FOR TRANSMITTING USER DATA IN A MULT
114896	114896-KR-NP	KR10-1167326	200664868		KR	13-Jul-12	11-Jul-26		CARRIER RADIO COMMUNICATION SYSTEM, AND CORRESPONDING RECEIVER
114910	114910-US-NP	US7949075	11/736578	20070248192	US	24-May-11	23-Mar-30	17-Apr-07	System and method for serial data reception
114918	114918-US-NP	US8098812	11/637051	20070206777	US	17-Jan-12	7-Nov-30	12-Dec-06	Method Of Controlling An Adaptation Of A Filter
114927	114927-US-NP	US7907568	11/740610	20070254664	US	15-Mar-11	13-Aug-29	26-Apr-07	A method of performing a handover
114929	114929-DE-EPA	EP1750406	05300636.7	EP1750406	DE	1-Aug-07	1-Aug-25	1-Aug-05	TRANSMITTER FOR TRANSMITTING USER DATA IN A MULTI-CARRIER RADIO COMMUNICATION SYSTEM, CORRESPONDING METHOD
114929	114929-FR-EPA	EP1750406	05300636.7	EP1750406	FR	1-Aug-07	1-Aug-25	1-Aug-05	TRANSMITTER FOR TRANSMITTING USER DATA IN A MULTI-CARRIER RADIO COMMUNICATION SYSTEM, CORRESPONDING METHOD
114929	114929-GB-EPA	EP1750406	05300636.7	EP1750406	GB	1-Aug-07	1-Aug-25	1-Aug-05	TRANSMITTER FOR TRANSMITTING USER DATA IN A
114957	114957-DE-EPA	EP1788734	05292481.8	EP1788734	DE	7-Oct-09	21-Nov-25	21-Nov-05	Method of transmitting an optical signal and transmission system
114957	114957-FR-EPA	EP1788734	05292481.8	EP1788734	FR	7-Oct-09	21-Nov-25	21-Nov-05	Method of transmitting an optical signal and transmission system
114957	114957-GB-EPA	EP1788734	05292481.8	EP1788734	GB	7-Oct-09	21-Nov-25	21-Nov-05	Method of transmitting an optical signal and transmission system
115027	115027-US-NP	US7885351	11/760175	20080049866	us	8-Feb-11	7-Aug-29	8-Jun-07	METHOD OF CORRECTING GAIN AND PHASE
115061	115061-DE-EPA 115061-FR-EPA	EP1898523	06291418.9 06291418.9	EP1898523	DE FR	4-Jul-12	5-Sep-26		Improved switchable power divider Improved switchable power divider
115061 115061	115061-FR-EPA 115061-GB-EPA	EP1898523 EP1898523	06291418.9 06291418.9	EP1898523 EP1898523	GB	4-Jul-12 4-Jul-12	5-Sep-26 5-Sep-26		Improved switchable power divider Improved switchable power divider
115067	115067-DE-EPA	EP1898588	06291437.9	EP1898588	DE	13-Jan-10	8-Sep-26	8-Sep-06	Tunnel type request by Foreign Agent (MIP)
115067 115067	115067-FR-EPA 115067-GB-EPA	EP1898588 EP1898588	06291437.9 06291437.9	EP1898588 EP1898588	FR GB	13-Jan-10 13-Jan-10		8-Sep-06 8-Sep-06	Tunnel type request by Foreign Agent (MIP) Tunnel type request by Foreign Agent (MIP)
									Intelligent routing of emergency's call notification in
115102	115102-DE-EPA	EP1879370	07112273.3	EP1879370	DE	30-Apr-14	11-Jul-27	11-Jul-07	private or public network with means to find right people Intelligent routing of emergency's call notification in
115102	115102-FR-EPA	EP1879370	07112273.3	EP1879370	FR	30-Apr-14	11-Jul-27	11-Jul-07	private or public network with means to find right people
115102	115102-GB-EPA	EP1879370	07112273.3	EP1879370	GB	30-Apr-14	11-Jul-27	11-Jul-07	Intelligent routing of emergency's call notification in private or public network with means to find right people
115102	115102-US-NP	U58085904	11/777261	20080043933	US	27-Dec-11	25-Oct-30	12-Jul-07	Emergency Communication Method, Server, Network And Computer Program For Such Communication
115102	115102-CN-NP	ZL200710126955 .1	200710126955.1	101110990	CN	13-May-15	2-Jul-27	2-Jul-07	Emergency Communication Method, Server, Network and Computer Program for such Communication
115108	115108-DE-EPA	EP1914902	06301067.2	EP1914902	DE	21-Apr-10	20-Oct-26	20-Oct-06	Digital transmission system for CDMA and UMTS
115108	115108-FR-EPA	EP1914902	06301067.2	EP1914902	FR	21-Apr-10	20-Oct-26	20-Oct-06	Digital transmission system for CDMA and UMTS
115108	115108-GB-EPA	EP1914902	06301067.2	EP1914902	GB	21-Apr-10	20-Oct-26	20-Oct-06	Digital transmission system for CDMA and UMTS
115187	115187-CN-NP	ZL200710112517 .X	200710112517.X	101106819A	CN	8-Dec-10	19-Jun-27	19-Jun-07	Uplink Interferer Identification in an OFDM based Mobile Communications Network
115187	115187-US-NP	US8755803	11/762754	20070298802	US	17-Jun-14	30-Dec-28	13-Jun-07	Handover Method And Base Station For Radio Communication Network Uplink Interferer Identification in an OFDM based
115187	115187-KR-PCT	KR101051278	20087031040		KR	18-Jul-11	30-May-27	30-May-07	Mobile Communications Network
115187	115187-DE-EPA	EP1871130	06291040.1	EP1871130	DE	10-Dec-08	20-Jun-26	20-Jun-06	Handover method and base station for a radio communication network
115187	115187-FR-EPA	EP1871130	06291040.1	EP1871130	FR	10-Dec-08	20-Jun-26	20-Jun-06	communication network
115187	115187-GB-EPA	EP1871130	06291040.1	EP1871130	GB	10-Dec-08	20-Jun-26	20-Jun-06	Handover method and base station for a radio communication network  Bridging enterprise advanced communication
115194	115194-DE-EPA	EP2019555	07301271.8	EP2019555	DE	3-Mar-10	25-Jul-27	25-Jul-07	systems through the public internet (Warning : Hot Topic)
115194	115194-FR-EPA	EP2019555	07301271.8	EP2019555	FR	3-Mar-10	25-Jul-27	25-Jul-07	Bridging enterprise advanced communication systems through the public internet (Warning : Hot Topic)
115194	115194-GB-EPA	EP2019555	07301271.8	EP2019555	GB	3-Mar-10	25-Jul-27	25-Jul-07	Bridging enterprise advanced communication systems through the public internet (Warning : Hot Topic)
115216	115216-DE-EPA	EP1876757	06300766.0	EP1876757	DE	1-Jul-09	6-Jul-26	6-Jul-06	Real Time Effective Bandwidth Estimation - EU- Project
115216	115216-FR-EPA	EP1876757	06300766.0	EP1876757	FR	1-Jul-09	6-Jul-26	6-Jul-06	Real Time Effective Bandwidth Estimation - EU- Project
115216	115216-GB-EPA	EP1876757	06300766.0	EP1876757	GB	1-Jul-09	6-Jul-26	6-Jul-06	Real Time Effective Bandwidth Estimation - EU- Project
115229	115229-EP-EPA		07290882.5	EP2015317	EP		11-Jul-27	11-Jul-07	Transmission line and radiating cable made with crosslinked dielectric
115242	115242-DE-EPA	EP2003798	07290734.8	EP2003798	DE	27-Jan-10	12-Jun-27	12-Jun-07	Adaptive gain setting of in-line PON-EDFAs for single- lambda and WDM operation - FPG-PIEMAN
115242	115242-FR-EPA	EP2003798	07290734.8	EP2003798	FR	27-Jan-10	12-Jun-27	12-Jun-07	Adaptive gain setting of in-line PON-EDFAs for single- lambda and WDM operation - FPG-PIEMAN
115242	115242-GB-EPA	EP2003798	07290734.8	EP2003798	GB	27-Jan-10	12-Jun-27	12-Jun-07	Adaptive gain setting of in-line PON-EDFAs for single lambda and WDM operation - FPG-PIEMAN
120013	120013-US-NP	US6157333	09/153983		US	5-Dec-00	16-Sep-18	16-Sep-98	2-D CODING SCHEMATIC FOR CURRENT SWITCHED DAC.
120107	120107-US-NP	US6097245	09/145619		US	1-Aug-00	2-Sep-18	2-Sep-98	SYNTHESIS OF INCREASED OPAMP OUTPUT IMPEDANCE.
120110	120110-US-CNT	US7768914	12/031208	20080137675	US	3-Aug-10	29-Aug-21	14-Feb-08	CELL SWITCHING DEVICE WITH NESTED PRIORITY TRANSMISSION MEANS.
120110	120110-US-NP	US7352695	09/778764	20010030974	US	1-Apr-08	14-May-23	8-Feb-01	

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	TITLE
120111	120111-DE-EPA	EP1109366	99403179.7	EP1109366	DE	2-Nov-05	16-Dec-19	16-Dec-99	Vermittlungsanordnung und Verfahren zur Prüfung der Übertragung von Datenzellen in einer
120111	120111-FR-EPA	EP1109366	99403179.7	EP1109366	FR	2-Nov-05		16-Dec-99	asynchronen Vermittlungsanordnung METHOD FOR CHECKING THE TRANSFER OF DATA CELLS IN AN ASYNCHRONOUS SWITCHING ARRANGEMENT, ELEMENTARY SWITCHING UNIT AND NETWORK EQUIPPED FOR SUCH A METHOD.
120111	120111-GB-EPA	EP1109366	99403179.7	EP1109366	GB	2-Nov-05	16-Dec-19	16-Dec- <del>99</del>	METHOD FOR CHECKING THE TRANSFER OF DATA CELLS IN AN ASYNCHRONOUS SWITCHING ARRANGEMENT, ELEMENTARY SWITCHING UNIT AND NETWORK EQUIPPED FOR SUCH A METHOD.
120111	120111-IT-EPA	EP1109366	99403179.7	EP1109366	п	2-Nov-05	16-Dec-19	16-Dec- <del>99</del>	METHOD FOR CHECKING THE TRANSFER OF DATA CELLS IN AN ASYNCHRONOUS SWITCHING ARRANGEMENT, ELEMENTARY SWITCHING UNIT AND NETWORK EQUIPPED FOR SUCH A METHOD.
120111	120111-US-NP	US6901054	09/732748	20010004351	US	31-May-05	28-Apr-23	11-Dec-00	METHOD FOR CHECKING THE TRANSFER OF DATA CELLS IN AN ASYNCHRONOUS SWITCHING ARRANGEMENT, ELEMENTARY SWITCHING UNIT AND NETWORK EQUIPPED FOR SUCH A METHOD.
120174	120174-US-NP	US7420966	09/828927		US	2-Sep-08	7-Jan-24	10-Apr-01	CONNECTION CONTROL MODULE.
120180	120180-US-NP	US6339791	09/267367		US	15-Jan-02	15-Mar-19	15-Mar-99	BROADCAST AND PRUNE MULTICAST SHORTCUT.
120182	120182-US-NP	US6834054	09/547141		US	21-Dec-04	11-Apr-20	11-Apr-00	Method of Supporting Shortcuts METHOD AND APPARATUS FOR ASSEMBLING
120193	120193-US-NP	US6898209	09/795189		US	24-May-05	12-Jul-23	1-Mar-01	FRAMES.
120203	120203-DE-EPA	EP1014563	98403167.4	EP1014563	DE	1-Mar-06		14-Dec-98	
120203 120203	120203-FR-EPA 120203-GB-EPA	EP1014563 EP1014563	98403167.4 98403167.4	EP1014563 EP1014563	FR GB	1-Mar-06 1-Mar-06			ADSL LINE DRIVER. ADSL LINE DRIVER.
120203	120203-IT-EPA	EP1014563	98403167.4	EP1014563	П	1-Mar-06	14-Dec-18	14-Dec-98	ADSL LINE DRIVER.
120203	120203-US-NP	US6323729	09/448763		US	27-Nov-01	24-Nov-19	24-Nov-99	
120260	120260-DE-EPA	EP1220494	00403706.5	EP1220494	DE	11-Feb-04	28-Dec-20	28-Dec-00	ACCESS CONTROLLER FOR PERFORMING SUCH A METHOD.
120260	120260-FR-EPA	EP1220494	00403706.5	EP1220494	FR	11-Feb-04	28-Dec-20	28-Dec-00	METHOD FOR ALLOCATING A BANDWIDTH BETWEEN NETWORK TERMINALS IN A COMMUNICATION NETWORK AND NETWORK INCLUDING A MEDIUM ACCESS CONTROLLER FOR PERFORMING SUCH A METHOD.
120260	120260-GB-EPA	EP1220494	00403706.5	EP1220494	GB	11-Feb-04	28-Dec-20	28-Dec-00	METHOD FOR ALLOCATING A BANDWIDTH BETWEEN NETWORK TERMINALS IN A COMMUNICATION NETWORK AND NETWORK INCLUDING A MEDIUM ACCESS CONTROLLER FOR PERFORMING SUCH A METHOD.
120260	120260-IT-EPA	EP1220494	00403706.5	EP1220494	п	11-Feb-04	28-Dec-20	28-Dec-00	METHOD FOR ALLOCATING A BANDWIDTH BETWEEN NETWORK TERMINALS IN A COMMUNICATION NETWORK AND NETWORK INCLUDING A MEDIUM ACCESS CONTROLLER FOR PERFORMING SUCH A METHOD.
120260	120260-US-NP	US7012923	10/025685	20020118695	US	14-Mar-06	4-Aug-24	26-Dec-01	METHOD FOR ALLOCATING A BANDWIDTH BETWEEN NETWORK TERMINALS IN A COMMUNICATION NETWORK AND NETWORK INCLUDING A MEDIUM ACCESS CONTROLLER FOR PERFORMING SUCH A METHOD.
120268	120268-US-NP	US6862607 US6917682	09/440200	20010021250	US US	1-Mar-05	15-Nov-19		LIGHTWEIGHT HTTP PROTOCOL.
120290 120295	120290-US-NP 120295-US-NP	US6522630	09/729177 09/316394	20010021250	US	12-Jul-05 18-Feb-03	3-May-22 21-May-19	21-May-99	METHOD AND DEVICE FOR ECHO CANCELLING EXPLICIT ROUTING IN IP.
120298	120298-US-NP	US6980548	09/348575		US	27-Dec-05			IP - NETWORK ADDRESS TRANSLATION
120299	120299-DE-EPA	EP1119149	00440015.6	EP1119149	DE	24-Nov-04	21-Jan-20	21-Jan-00	Telekommunikationssystem und Verfahren zum Transportieren und Schützen von Informationen
120299	120299-FR-EPA	EP1119149	00440015.6	EP1119149	FR	24-Nov-04	21-Jan-20	21-Jan-00	Telecommunication system for transporting and protecting information, terminal, and method
120299	120299-GB-EPA	EP1119149	00440015.6	EP1119149	GB	24-Nov-04	21-Jan-20	21-Jan-00	Telecommunication system for transporting and protecting information, terminal, and method
120299	120299-IT-EPA	EP1119149	00440015.6	EP1119149	п	24-Nov-04	21-Jan-20	21-Jan-00	Telecommunication system for transporting and protecting information, terminal, and method
120354	120354-CN-NP	ZL00122476.X	00122476.X	1283916A	CN	6-Oct-04	2-Aug-20	2-Aug-00	AUTOMATIC DIFFSERV SLA NEGOTIATION USING PPP.
120354	120354-DE-EPA	EP1076441	99402021.2	EP1076441	DE	15-Apr-09	9-Aug-19	9-Aug-99	METHOD FOR TRANSPORTING DATA, A RELATED DATA TRANSMITTING ELEMENT AND A DATA RECEIVING ELEMENT.
120354	120354-FR-EPA	EP1076441	99402021.2	EP1076441	FR	15-Apr-09	9-Aug-19	9-Aug-99	METHOD FOR TRANSPORTING DATA, A RELATED DATA TRANSMITTING ELEMENT AND A DATA RECEIVING ELEMENT.
120354	120354-GB-EPA	EP1076441	99402021.2	EP1076441	GB	15-Apr-09	9-Aug-19	9-Aug-99	METHOD FOR TRANSPORTING DATA, A RELATED DATA TRANSMITTING ELEMENT AND A DATA RECEIVING ELEMENT.
120354	120354-US-NP	US7061917	09/384422		US	13-Jun-06	27-Aug-19	27-Aug-99	AUTOMATIC DIFFSERV SLA NEGOTIATION USING PPP.
120375	120375-DE-EPA	EP1107513	99440352.5	EP1107513	DE	17-Mar-04	10-Dec-19	10-Dec-00	System zur Verwaltung von Internetverbindungen
120375 120375	120375-ES-EPA 120375-FR-EPA	EP1107513 EP1107513	99440352.5 99440352.5	EP1107513 EP1107513	ES FR	17-Mar-04 17-Mar-04		10-Dec-99 10-Dec-99	A System for Managing Internet Connections  A System for Managing Internet Connections
120375	120375-GB-EPA	EP1107513	99440352.5	EP1107513	GB	17-Mar-04	10-Dec-19	10-Dec-99	A System for Managing Internet Connections
120375	120375-IT-EPA	EP1107513	99440352.5	EP1107513	П	17-Mar-04	10-Dec-19	10-Dec-99	A System for Managing Internet Connections
120375	120375-US-NP	US67 <del>99</del> 216	09/731708	20030191834	us	28-Sep-04	19-Mar-23	8-Dec-00	System uses domain managers to communicate service parameters to domain boundary controllers for managing special internet connections across domain boundaries
120382	120382-CN-NP	ZL408660	00135489.2	1301097A	CN	9-Jul-08	21-Dec-20	21-Dec-00	NETWORK STATUS REPORTING METHOD AND A COMMUNICATIONS NETWORK.
	İ	I	L	1	1	i	l	l	CONTINUNICATIONS NETWORK.

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	CASE	GRANI	APPLICATION	PUBLICATION		rssue	EXPERATION	ARREICATION	
	REFERENCE	NUMBER	NUMBER		COUNTRY		DATE	DATE	THTLE
120382	120382-DE-EPA	EP1111841	99403256.3	EP1111841	DE	22-Jun-11	21-Dec-19	21-Dec-99	NETWORK STATUS REPORTING METHOD AND A COMMUNICATIONS NETWORK.
120382	120382-FR-EPA	EP1111841	99403256.3	EP1111841	FR	22-Jun-11	21-Dec-19	21-Dec-99	NETWORK STATUS REPORTING METHOD AND A COMMUNICATIONS NETWORK.
120382	120382-GB-EPA	EP1111841	99403256.3	EP1111841	GB	22-Jun-11	21-Dec-19	21-Dec-99	NETWORK STATUS REPORTING METHOD AND A
									COMMUNICATIONS NETWORK. NETWORK STATUS REPORTING METHOD AND A
120382	120382-US-NP	US7508765	09/737471	20010004350	US	24-Mar-09	5-Nov-22	18-Dec-00	COMMUNICATIONS NETWORK.
120387	120387-US-NP	US6944664	09/666388		US	13-Sep-05	31-Jul-22	20-Sep-00	HANDLING INCOMING CALLS IN THE CONTEXT OF VIRTUAL PRIVATE NETWORKS
120401	120401-CN-NP	ZL01125587.0	01125587.0	1344087A	CN	20-Oct-04	16-Aug-21	16-Aug-01	METHOD FOR MARKING PACKETS OF A DATA TRANSMISSION FLOW AND MARKER DEVICE
								,	PERFORMING THIS METHOD.
120401	120401-DE-EPA	EP1180876	00402306.5	EP1180876	DE	26-Oct-05	18-Aug-20	18-Aug-00	Markierungsapparat zum Kreieren und Einfügen einer Priorität in ein Datenpaket
120401	120401-FR-EPA	EP1180876	00402306.5	EP1180876	FR	26-Oct-05	18-Aug-20	18-Aug-00	METHOD FOR MARKING PACKETS OF A DATA TRANSMISSION FLOW AND MARKER DEVICE
180101	120101111 2171		001020000			20 0 00 00	10 / 10 20	107/08/00	PERFORMING THIS METHOD.
120401	120401-GB-EPA	EP1180876	00402306.5	EP1180876	GB	26-Oct-05	18-Aug-20	18-Aug-00	METHOD FOR MARKING PACKETS OF A DATA TRANSMISSION FLOW AND MARKER DEVICE
									PERFORMING THIS METHOD. METHOD FOR MARKING PACKETS OF A DATA
120401	120401-US-NP	US7027395	09/925738	20020031089	US	11-Apr-06	14-Feb-24	10-Aug-01	TRANSMISSION FLOW AND MARKER DEVICE
									PERFORMING THIS METHOD. METHOD AND DEVICE FOR DISTRIBUTING ELECTRIC
120406	120406-US-NP	US6735301	09/793120	20020126829	US	11-May-04	31-Aug-21	27-Feb-01	POWER IN TELECOMMUNICATION CENTRAL OFFICE EQUIPMENT.
120407	120407-US-NP	US6912226	09/795192		US	28-Jun-05	10-Jun-23	1-Mar-01	METHOD TO GENERATE AN ACCEPTANCE DECISION
120407	120407-03-141	030312220	03/733132		0.5	20-3011-03	10-301723	1-14161-01	IN A TELECOMMUNICATION SYSTEM.
120434	120434-DE-EPA	EP1182829	00402332.1	EP1182829	DE	3-Oct-07	22-Aug-20	22-Aug-00	COMMUNICATION METHOD, RELATED BUFFERING ELEMENT AND LINE TERMINATION ELEMENT.
									COMMUNICATION METHOD, RELATED BUFFERING
120434	120434-FR-EPA	EP1182829	00402332.1	EP1182829	FR	3-Oct-07	22-Aug-20	22-Aug-00	ELEMENT AND LINE TERMINATION ELEMENT.
									COMMUNICATION METHOD, RELATED BUFFERING
120434	120434-GB-EPA	EP1182829	00402332.1	EP1182829	GB	3-Oct-07	22-Aug-20	22-Aug-00	ELEMENT AND LINE TERMINATION ELEMENT.
120424	120424 HS NB	US7324446	09/925331	20020024933	US	29-Jan-08	30-Nov-24	10-Aug-01	COMMUNICATION METHOD, RELATED BUFFERING
120434	120434-US-NP								ELEMENT AND LINE TERMINATION ELEMENT.
	120448-US-NP 120448-DE-EPA	US7020075 EP1168751	09/879175 00401763.8		US DE	28-Mar-06 22-Aug-07	13-Jun-21 20-Jun-20		COMMUNICATION STACK. COMMUNICATION STACK.
	120448-FR-EPA	EP1168751	00401763.8		FR	22-Aug-07			COMMUNICATION STACK.
120448	120448-GB-EPA	EP1168751	00401763.8		GB	22-Aug-07	20-Jun-20		COMMUNICATION STACK.
120448	120448-IT-EPA	EP1168751	00401763.8	EP1168751	Π	22-Aug-07	20-Jun-20	20-Jun-00	COMMUNICATION STACK.
120468	120468-DE-EPA	EP1176775	00402123.4	EP1176775	DE	1-Mar-06	24-Jul-20	24-Jul-00	Breitbandinger Niederspannungs-Leitungstreiber
120468	120468-FR-EPA	EP1176775	00402123.4	EP1176775	FR	1-Mar-06	24-Jul-20	24-101-00	LOW VOLTAGE BROADBAND LINE DRIVER
120468	120468-GB-EPA	EP1176775	00402123.4		GB	1-Mar-06	24-Jul-20		LOW VOLTAGE BROADBAND LINE DRIVER
	120468-IT-EPA	EP1176775	00402123.4		П	1-Mar-06	24-Jul-20		LOW VOLTAGE BROADBAND LINE DRIVER
	120468-US-NP	US6985578	09/910037		US	10-Jan-06	23-Jul-23		LOW VOLTAGE BROADBAND LINE DRIVER
	120491-US-NP 120500-DE-EPA	US7961607 EP1220443	10/026690 00403694.3		US DE	14-Jun-11 15-Jun-11	21-Jan-28 28-Dec-20		MARKER DEVICE AND RELATED METHOD.  XDSL CLASS C-AB DRIVER.
120500	120500-FR-EPA	EP1220443	00403694.3		FR	15-Jun-11	28-Dec-20		XDSL CLASS C-AB DRIVER. XDSL CLASS C-AB DRIVER.
120500	120500-GB-EPA	EP1220443	00403694.3	EP1220443	GB	15-Jun-11	28-Dec-20		XDSL CLASS C-AB DRIVER.
120500	120500-US-NP	US6937720	10/026435	20020084811	US	30-Aug-05	18-Jul-23	27-Dec-01	XDSL CLASS C-AB DRIVER.
	120523-DE-EPA	EP1220442	00403693.5		DE	5-Apr-06	28-Dec-20		xDSL FEEDBACK CLASS C-AB DRIVER.
	120523-FR-EPA	EP1220442	00403693.5		FR	5-Apr-06	28-Dec-20		xDSL FEEDBACK CLASS C-AB DRIVER.
120523 120523	120523-GB-EPA 120523-IT-EPA	EP1220442 EP1220442	00403693.5 00403693.5		GB IT	5-Apr-06 5-Apr-06	28-Dec-20 28-Dec-20	28-Dec-00 28-Dec-00	xDSL FEEDBACK CLASS C-AB DRIVER. xDSL FEEDBACK CLASS C-AB DRIVER.
	120523-US-NP	US6529071	10/026655		US	4-Mar-03	27-Dec-21		xDSL FEEDBACK CLASS C-AB DRIVER.
120546	120546-US-NP	US8675655	10/265446	20030081608	US	18-Mar-14	7-Oct-22	7-Oct-02	Method For Distributing Load Over Multiple Shared Resources In A Communication Network And
									Network Applying Such A Method
120586	120586-DE-EPA	EP1320224	01403222.1	EP1320224	DE	21-Nov-07	12-Dec-21	12-Dec-01	TELECOMMUNICATIONS NETWORK AND A PACKET HEADER THEREFORE.
120586	120586-FR-EPA	EP1320224	01403222.1	EP1320224	FR	21-Nov-07	12-Dec-21	12-Dec-01	TELECOMMUNICATIONS NETWORK AND A PACKET
									HEADER THEREFORE. TELECOMMUNICATIONS NETWORK AND A PACKET
120586	120586-GB-EPA	EP1320224	01403222.1	EP1320224	GB	21-Nov-07	12-Dec-21	12-Dec-01	HEADER THEREFORE.
120586	120586-US-NP	US7881279	10/316027	20030118051	US	1-Feb-11	17-Sep-26	11-Dec-02	TELECOMMUNICATIONS NETWORK AND A PACKET HEADER THEREFORE.
	120590-JP-NP	JP4141707	200263297	2002290285	JP	20-Jun-08	8-Mar-22	8-Mar-02	HYBRID CIRCUIT FOR A BROADBAND MODEM.
	120590-CN-NP	ZL02107510.7	02107510.7	1384612A	CN	19-Sep-07		14-Mar-02	HYBRID CIRCUIT FOR A BROADBAND MODEM.
	120590-US-CNT 120611-US-NR	US7127062	10/857012		US	24-Oct-06			HYBRID CIRCUIT FOR A BROADBAND MODEM.  Method and device for OMP load distribution
120611 120635	120611-US-NP 120635-US-NP	US7362708 US8045549	10/265667	20030072262	US	22-Apr-08 25-Oct-11	17-Sep-25 18-Mar-23	8-Oct-02 18-Mar-03	Method and device for OMP load distribution  Method And Apparatus For Packet Reordering In A
									Network Processor Telecommunication/Access System For Dealing With
120710	120710-US-NP	US8761198	10/350080	20030152090	US	24-Jun-14	2-May-27	24-Jan-03	Different Address Lengths
120720	120720-US-NP	US7400631	10/859955	20040246970	US	15-Jul-08	9-Jan-27	4-Jun-04	SCHEDULING UNIT WITH OPTIMIZED JITTER AND QUEUE OCCUPANCY
120720	120720-DE-EPA	EP1484939	03291374.1	EP1484939	DE	24-May-06	6-Jun-23	6-Jun-03	SCHEDULING UNIT WITH OPTIMIZED JITTER AND QUEUE OCCUPANCY
120720	120720-FR-EPA	EP1484939	03291374.1	EP1484939	FR	24-May-06	6-Jun-23	6-Jun-03	SCHEDULING UNIT WITH OPTIMIZED JITTER AND
									QUEUE OCCUPANCY SCHEDULING UNIT WITH OPTIMIZED JITTER AND
120720	120720-GB-EPA	EP1484939	03291374.1	EP1484939	GB	24-May-06	6-Jun-23	6-Jun-03	QUEUE OCCUPANCY
120738	120738-US-NP	US7701885	10/436107	20030219016	US	20-Apr-10	15-Feb-29	13-May-03	POINT-TO-MULTIPOINT TELECOMMUNICATION
									SYSTEM WITH DOWNSTREAM FRAME STRUCTURE. COUPLING SELECTION/CONFIGURATION THROUGH
120777	120777-CN-NP	ZL268694	200310121430.0	1514595	CN	21-Jun-06	16-Dec-23	16-Dec-03	SERVICE PARAMETERS
120777	120777-DE-EPA	EP1432197	02293155.4	EP1432197	DE	8-Aug-07	19-Dec-22	19-Dec-02	COUPLING SELECTION/CONFIGURATION THROUGH SERVICE PARAMETERS
			<b></b>	<b>-</b>					COUPLING SELECTION/CONFIGURATION THROUGH
120777	120777-ES-EPA	EP1432197	02293155.4	EP1432197	ES	8-Aug-07	19-Dec-22	19-Dec-02	
120777	120777-ES-EPA 120777-FR-EPA	EP1432197 EP1432197	02293155.4 02293155.4		ES FR	8-Aug-07 8-Aug-07	19-Dec-22 19-Dec-22	19-Dec-02 19-Dec-02	SERVICE PARAMETERS COUPLING SELECTION/CONFIGURATION THROUGH

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	CASE	ESTANT	APPLICATION	RUBUKGATKON	100000000000000000000000000000000000000	nssue	EXPURATION	APPLECATIONS	
FAMILY	Reference	NUMBER	NUMBER	NUMBER	COUNTRY		DATE	DATE	TETLE COUPLING SELECTION/CONFIGURATION THROUGH
120777	120777-GB-EPA	EP1432197	02293155.4	EP1432197	GB	8-Aug-07	19-Dec-22	19-Dec-02	SERVICE PARAMETERS
120777	120777-IT-EPA	EP1432197	02293155.4	EP1432197	п	8-Aug-07	19-Dec-22	19-Dec-02	COUPLING SELECTION/CONFIGURATION THROUGH SERVICE PARAMETERS
120777	120777-NL-EPA	EP1432197	02293155.4	EP1432197	NL	8-Aug-07	19-Dec-22	19-Dec-02	COUPLING SELECTION/CONFIGURATION THROUGH SERVICE PARAMETERS
120777	120777-TR-EPA	EP1432197	02293155.4	EP1432197	TR	8-Aug-07	19-Dec-22	19-Dec-02	COUPLING SELECTION/CONFIGURATION THROUGH
120804	120804-US-NP	US7168054	10/728982	20040123255	US	23-Jan-07	10-May-24		SERVICE PARAMETERS SOFTWARE TRAFFIC GENERATOR/ANALYSER
120806	120806-US-NP	US7082482	10/739158	20040153619	US	25-Jul-06	2-Aug-24	19-Dec-03	A DATA HANDLING DEVICE
120807	120807-CN-NP	ZL200310103009 .7	200310103009.7	CN1499775	CN	20-Jun-07	28-Oct-23	28-Oct-03	METHOD FOR TRAFFIC ENGINEERING AND INGRESS ROUTER ADAPTED TO PERFORM SUCH A METHOD
120845	120845-DE-EPA	EP1434394	02293244.6	EP1434394	DE	8-Oct-08	26-Dec-22	26-Dec-02	IN-BAND OR IMPLICIT MPLS LABEL DISTRIBUTION.
120845	120845-FR-EPA	EP1434394	02293244.6	EP1434394	FR	8-Oct-08	26-Dec-22	26-Dec-02	IN-BAND OR IMPLICIT MPLS LABEL DISTRIBUTION.
120845	120845-GB-EPA	EP1434394	02293244.6	EP1434394	GB	8-Oct-08	26-Dec-22	26-Dec-02	IN-BAND OR IMPLICIT MPLS LABEL DISTRIBUTION.
120845	120845-US-NP	US7362774	10/737903	20040125805	US	22-Apr-08	21-Mar-26	18-Dec-03	MULTIPROTOCOL LABEL SWITCHING LABEL DISTRIBUTION METHOD, A RELATED FIRST MULTIPROTOCOL LABEL SWITCHING NETWORK ELEMENT AND A RELATED SECOND MULTIPROTOCOL LABEL SWITCHING NETWORK ELEMENT
120885 120885	120885-US-NP 120885-DE-EPA	US7551630 EP1487159	10/863275 03291427.7	20050002377 EP1487159	US DE	23-Jun-09 20-Sep-06	15-Oct-26 13-Jun-23		A ROUTER TO ROUTE PACKETS A ROUTER TO ROUTE PACKETS
120885 120885	120885-FR-EPA 120885-GB-EPA	EP1487159 EP1487159	03291427.7 03291427.7	EP1487159 EP1487159	FR GB	20-Sep-06 20-Sep-06	13-Jun-23 13-Jun-23		A ROUTER TO ROUTE PACKETS A ROUTER TO ROUTE PACKETS
120885	120896-US-NP	US7386738	11/010410	20050131555	US	20-sep-06 10-Jun-08	16-Feb-26	14-Dec-04	METHOD FOR WAKING UP A SLEEPING DEVICE, A RELATED NETWORK ELEMENT AND A RELATED
120924	120924-CN-PCT	ZL801060662.0	200380106062.0	1726067	CN	13-Oct-10	24-Oct-23	24-Oct-03	WAKING DEVICE GAMES CONSOLE VIDEO ADAPTOR
120924 120924	120924-GB-NP1 120924-US-PCT	GB2389291	0228072.5 10/537175	2389291 20060252545	GB US	31-Aug-05	2-Dec-22 24-Oct-23		GAMES CONSOLE VIDEO ADAPTOR DTT TUNER
120930	120930-CN-NP	ZL10092895.7	200510092895.7	1744568	CN	8-Sep-10	23-Aug-25	23-Aug-05	NETWORK-NODE FOR EXCHANGING DATA INFORMATION VIA A PATH OR A DETOUR PATH.
121226	121226-DE-EPA	EP1883030	06291207.6	EP1883030	DE	24-Sep-08	24-Jul-26	24-Jul-06	DISCOVERY-TIME BUSINESS FACADE.
121226 121226	121226-FR-EPA 121226-GB-EPA	EP1883030 EP1883030	06291207.6 06291207.6	EP1883030 EP1883030	FR GB	24-Sep-08 24-Sep-08	24-Jul-26 24-Jul-26		DISCOVERY-TIME BUSINESS FACADE. DISCOVERY-TIME BUSINESS FACADE.
123128	121226-GB-EPA 123128-US-NP	US6047028	08/963791	EP1883030	US	24-sep-08 4-Apr-00	4-Nov-17		BURST REDUCTION FOR VOD.
123134 123162	123134-US-NP 123162-US-NP	US5951660 US6194913	08/987949 09/212277		US US	14-Sep-99 24-Feb-01	10-Jul-17 16-Dec-18		POWER-UP CIRCUIT. SLEW RATE CONTROLLED OUTPUT BUFFER.
123165	123165-US-NP	US5861778	08/925509		US	19-Jan-99	8-Sep-17	8-Sep-97	FULLY DIFFERENTIAL LNA.
125085 125087	125085-US-NP 125087-US-NP	US6294728 US6246005	09/104264 135935		US US	25-Sep-01 12-Jun-01	24-Jun-18 18-Aug-18		Coaxial Cable Radiating coaxial cable
125090	125090-US-NP	US6130586	137948		US	10-Oct-00	21-Aug-18	21-Aug-98	MODE FILTER FOR CONNECTING TWO ELECTROMAGNETIC WAVEGUIDES
125095	125095-US-NP	US6102737	09/252012		US	15-Aug-00	18-Feb-19	18-Feb- <del>9</del> 9	CONNECTING ELEMENT FOR A COAXIAL HIGH- FREQUENCY CABLE
127002	127002-US-NP	US6025764	885470		US	15-Feb-00	30-Jun-17	30-Jun-97	Input Coupling Adjustment Arrangement for high frequency filters
127009 127038	127009-US-NP 127038-US-NP	US5949376 US6118355	09/102219 09/327508		US US	7-Sep-99 12-Sep-00	22-Jun-18 8-Jun-19	22-Jun-98 8-Jun-99	Dual polarization patch antenna DUAL BAND COMBINER ARRANGEMENT
127041	127041-DE-EPA	EP0982802	99401951.1	EP0982802	DE	7-Sep-05	30-Jul-19	30-Jul-99	Dipolspeiseanordnung für eine Reflektorantenne
127041	127041-FR-EPA	EP0982802	99401951.1	EP0982802	FR	7-Sep-05	30-Jul-19	30-Jul-99	Dipole feed arrangement for a reflector antenna
127041	127041-GB-EPA	EP0982802	99401951.1	EP0982802	GB	7-Sep-05	30-Jul-19	30-Jul-99	Dipole feed arrangement for a reflector antenna
127086	127086-US-NP	US6794964	09/883220	20020036555	us	21-Sep-04	24-Nov-21	19-Jun-01	Bi-Stable Microswitch Including Magnetic Latch
127087	127087-US-NP	US6603386	09/885168	20020036562	US	5-Aug-03	27-Jul-21	21-Jun-01	Bi-Stable Microswitch Including Shape Memory Alloy Latch
129036	129036-US-NP	US6226284	09/107987		US	1-May-01	30-Jun-18	30-Jun-98	SPS SYNCHRONIZATION METHOD  Method and system for increasing the total amount
129208	129208-DE-EPA	EP1191734	01402359.2	EP1191734	DE	10-Oct-07	13-Sep-21	13-Sep-01	of useful information (throughput) transmitted in a radiocommunication system.
129208	129208-FR-EPA	EP1191734	01402359.2	EP1191734	FR	10-Oct-07	13-Sep-21	13-Sep-01	Method and system for increasing the total amount of useful information (throughput) transmitted in a radiocommunication system.
129208	129208-GB-EPA	EP1191734	01402359.2	EP1191734	GB	10-Oct-07	13-Sep-21	13-Sep-01	Method and system for increasing the total amount of useful information (throughput) transmitted in a radiocommunication system.
129208	129208-US-NP	US7206278	09/953288	20020034172	US	17-Apr-07	29-Jul-24	17-Sep-01	Method and system for increasing the total amount of useful information(throughput)transmitted in a radiocommunication system.
131002 131007	131002-US-NP 131007-US-NP	US6320911 US6442199	115005 156140		US US	20-Nov-01 27-Aug-02	14-Jul-18 17-Sep-18		Clock in encoded video Circuit for the stabilization of an equalizer
131036	131036-DE-EPA	EP1073226	00402082.2	EP1073226	DE	9-May-07	21-Jul-20	21-Jul-00	Improved management of elastic store for byte
131036	131036-FR-EPA	EP1073226	00402082.2	EP1073226	FR	9-May-07	21-Jul-20	21-Jul-00	synchronous mapping of SDH tributaries Improved management of elastic store for byte synchronous mapping of SDH tributaries
131036	131036-GB-EPA	EP1073226	00402082.2	EP1073226	GB	9-May-07	21-Jul-20	21-Jul-00	Improved management of elastic store for byte synchronous mapping of SDH tributaries
131036	131036-IT-NP	IT1310658	TO99A000679		п	19-Feb-02	30-Jul-19	30-Jul-99	Improved management of elastic store for byte synchronous mapping of SDH tributaries
131070	131070-DE-EPA	EP1003348	99440319.4	EP1003348	DE	8-Jan-14	16-Nov-19	16-Nov-99	Telecommunications network with a transport layer controlled by an internet protocol layer
131070	131070-FR-EPA	EP1003348	99440319.4	EP1003348	FR	8-Jan-14	16-Nov-19	16-Nov-99	Telecommunications network with a transport layer controlled by an internet protocol layer
131070	131070-GB-EPA	EP1003348	99440319.4	EP1003348	GB	8-Jan-14	16-Nov-19	16-Nov-99	Telecommunications network with a transport layer controlled by an internet protocol layer
131070	131070-US-NP	US6768746	09/443453		us	27-Jul-04	19-Nov-19	19-Nov-99	DATA CENTERED TRANSMISSION NETWORK MODELLED AS"ON-DEMAND BANDWITH"
131098	131098-DE-EPA	EP1111829	00403543.2	EP1111829	DE	20-Dec-06	14-Dec-20	14-Dec-00	METODO E DISPOSITIVO PER CONVERTIRE UN SEGNALE STM-1 IN UN SEGNALE SUB-STM-1 E VICE- VERSA IN TRASMISSIONI RADIO

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

	reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY		EXPERATION DATE	APPLICATION DATE	TITLE
131098	131098-FR-EPA	EP1111829	00403543.2	EP1111829	FR	20-Dec-06	14-Dec-20	14-Dec-00	METODO E DISPOSITIVO PER CONVERTIRE UN SEGNALE STM-1 IN UN SEGNALE SUB-STM-1 E VICE- VERSA IN TRASMISSIONI RADIO
131098	131098-GB-EPA	EP1111829	00403543.2	EP1111829	GB	20-Dec-06	14-Dec-20	14-Dec-00	METODO E DISPOSITIVO PER CONVERTIRE UN SEGNALE STM-1 IN UN SEGNALE SUB-STM-1 E VICE- VERSA IN TRASMISSIONI RADIO
131098	131098-US-NP	US6937625	09/741074	20010004358	US	30-Aug-05	14-Jul-22	21-Dec-00	METHOD AND DEVICE FOR CONVERTING AN STM-1 SIGNAL INTO A SUB-STM1 SIGNAL AND VICE-VERSA IN RADIO TRANSMISSION
131129	131129-DE-EPA	EP1178699	01401962.4	EP1178699	DE	22-Apr-09	20-Jul-21	20-Jul-01	INTERFACCIA DI TRASPORTO PER TRAME A DIVISIONE DI TEMPO
131129	131129-FR-EPA	EP1178699	01401962.4	EP1178699	FR	22-Apr-09	20-Jul-21	20-Jul-01	INTERFACCIA DI TRASPORTO PER TRAME A DIVISIONE DI TEMPO
131129	131129-GB-EPA	EP1178699	01401962.4	EP1178699	GB	22-Apr-09	20-Jul-21	20-Jul-01	INTERFACCIA DI TRASPORTO PER TRAME A DIVISIONE DI TEMPO
131129	131129-US-NP	US7023836	910811		US	4-Apr-06	16-Mar-24	24-Jul-01	INTERFACCIA DI TRASPORTO PER TRAME A DIVISIONE DI TEMPO
131141	131141-US-NP	US6847655	809260		US	25-Jan-05	5-Aug-23	16-Mar-01	METODO ED APPARATO PER TRASMETTERE/RICEVERE SEGNALI DIGITALI DI LIVELLO STM-4(SDH) O STS-12(SONET) SU DUE PORTANTI RF IN UNA SEZIONE DI RIGENERAZIONE RADIO
131153	131153-DE-EPA	EP1274191	01401754.5	EP1274191	DE	3-Nov-04	2-Jul-21	2-Jul-01	METHOD AND APPARATUS FOR OBTAINING A SCALABLE AND MANAGED BANDWIDTH FOR CONNECTIONS BETWEEN ASYNCHRONOUS LEVEL AND SYNCHRONOUS HIERARCHY LEVEL IN A TELECOMMUNICATION NETWORK.
131153	131153-FR-EPA	EP1274191	01401754.5	EP1274191	FR	3-Nov-04	2-Jul-21	2-Jul-01	METHOD AND APPARATUS FOR OBTAINING A SCALABLE AND MANAGED BANDWIDTH FOR CONNECTIONS BETWEEN ASYNCHRONOUS LEVEL AND SYNCHRONOUS HIERARCHY LEVEL IN A TELECOMMUNICATION NETWORK.
131153	131153-GB-EPA	EP1274191	01401754.5	EP1274191	GB	3-Nov-04	2-Jul-21	2-Jul-01	METHOD AND APPARATUS FOR OBTAINING A SCALABLE AND MANAGED BANDWIDTH FOR CONNECTIONS BETWEEN ASYNCHRONOUS LEVEL AND SYNCHRONOUS HIERARCHY LEVEL IN A TELECOMMUNICATION NETWORK.
131153	131153-US-NP	US7333506	17 <del>9</del> 215	20030002530	US	19-Feb-08	16-Dec-24	26-Jun-02	METHOD AND APPARATUS FOR OBTAINING A SCALABLE AND MANAGED BANDWIDTH FOR CONNECTIONS BETWEEN ASYNCHRONOUS LEVEL AND SYNCHRONOUS HIERARCHY LEVEL IN A TELECOMMUNICATION NETWORK.
131174	131174-CN-NP	ZL02127411.8	02127411.8	1400773	CN	1-Apr-09	31-Jul-22	31-Jul-02	ELEMENTO PROGRAMMABILE DI RETE SINCRONA E METODO DI GESTIONE DI TALE ELEMENTO
131174	131174-DE-EPA	EP1282251	02291777.7	EP1282251	DE	21-Jun-06	15-Jul-22	15-Jul-02	ELEMENTO PROGRAMMABILE DI RETE SINCRONA E METODO DI GESTIONE DI TALE ELEMENTO
131174	131174-FR-EPA	EP1282251	02291777.7	EP1282251	FR	21-Jun-06	15-Jul-22	15-Jul-02	ELEMENTO PROGRAMMABILE DI RETE SINCRONA E METODO DI GESTIONE DI TALE ELEMENTO
131174	131174-GB-EPA	EP1282251	02291777.7	EP1282251	GB	21-Jun-06	15-Jul-22	15-Jul-02	ELEMENTO PROGRAMMABILE DI RETE SINCRONA E METODO DI GESTIONE DI TALE ELEMENTO
131174	131174-US-NP	US7379482	206961	20030027564	US	27-May-08	16-Jun-25	30-Jul-02	ELEMENTO PROGRAMMABILE DI RETE SINCRONA E METODO DI GESTIONE DI TALE ELEMENTO
131176	131176-CN-NP	ZL02131551.5	02131551.5	1409503	CN	18-Mar-09	11-Sep-22	11-Sep-02	METODO PER ESEGUIRE UNA FUNZIONE DI PERFORMANCE MONITORING SULLA BASE DI DATI RICAVATI MEDIANTE CORREZIONE ERRORI FEC, IN UNA RETE DI TELECOMUNICAZIONI
131176	131176-DE-EPA	EP1294121	02292164.7	EP1294121	DE	8-Apr-15	3-Sep-22	3-Sep-02	Method to implement a performance monitoring function on the ground of the retrieved data through FEC (forward error correction) in a telecom network
131176	131176-FR-EPA	EP1294121	02292164.7	EP1294121	FR	8-Apr-15	3-Sep-22	3-Sep-02	Method to implement a performance monitoring function on the ground of the retrieved data through FEC (forward error correction) in a telecom network
131176	131176-GB-EPA	EP1294121	02292164.7	EP1294121	GB	8-Apr-15	3-Sep-22	3-Sep-02	Method to implement a performance monitoring function on the ground of the retrieved data through FEC (forward error correction) in a telecom network
131176	131176-US-NP	US6999727	219343		US	14-Feb-06	10-Jan-24	16-Aug-02	METODO PER ESEGUIRE UNA FUNZIONE DI PERFORMANCE MONITORING SULLA BASE DI DATI RICAVATI MEDIANTE CORREZIONE ERRORI FEC, IN UNA RETE DI TELECOMUNICAZIONI
131182	131182-US-NP	US7386862	10/464658	20040212635	US	10-Jun-08	2-Dec-24	19-Jun-03	PROCESS FOR ALLOWING APPLETS TO BE RESIZED INDEPENDENTLY FROM THE WEB/HTML PAGE THEY WERE CREATED.
131182	131182-CN-NP	ZL03146240.5	03146240.5	CN1480838	CN	14-Sep-05	4-Jul-23	4-Jul-03	PROCESS FOR ALLOWING APPLETS TO BE RESIZED INDEPENDENTLY FROM THE WEB/HTML PAGE THEY WERE CREATED.
131187	131187-US-NP	US8792465	10/265441	20030072323	US	29-Jul-14	17-Oct-26	7-Oct-02	Method And Apparatus For Transmitting A Gigabit- Ethernet Signal By A High Capacity Point-To-Point Radio System
131188	131188-DE-EPA	EP1322050	02292213.2	EP1322050	DE	15-Dec-10	10-Sep-22	10-Sep-02	METHOD AND SYSTEM FOR DOUBLING THE SPECTRUM EFFICIENCY IN A RADIO TRANSMISSION SYSTEM
131188	131188-FR-EPA	EP1322050	02292213.2	EP1322050	FR	15-Dec-10	10-Sep-22	10-Sep-02	METHOD AND SYSTEM FOR DOUBLING THE SPECTRUM EFFICIENCY IN A RADIO TRANSMISSION SYSTEM
131188	131188-GB-EPA	EP1322050	02292213.2	EP1322050	GB	15-Dec-10	10-Sep-22	10-Sep-02	METHOD AND SYSTEM FOR DOUBLING THE SPECTRUM EFFICIENCY IN A RADIO TRANSMISSION SYSTEM

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

1000   1000		Case Reference	Grant Number	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY		EXPIRATION DATE	APPLICATION DATE	TITLE
1972   1972										SPECTRUM EFFICIENCY IN A RADIO TRANSMISSION SYSTEM BY TRANSMITTING THE SAME SIGNAL FROM TWO DIFFERENT ANTENNAS
1921-14-15-15-15-15-15-15-15-15-15-15-15-15-15-										
12121-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	131216	131216-GB-EPA	EP1339181	02291993.0	EP1339181	GB	26-Oct-05	8-Aug-22	8-Aug-02	
11222   11222-0-1-0-0-0-0-0-0-0-0-0-0-0-0-0-0-0-	131216	131216-US-NP	US7292534	355021		US	6-Nov-07	31-Jan-23	31-Jan-03	CONGESTION FLOW OF ETHERNET TRAFFIC
11122   13227-68-PP	131227	131227-DE-EPA	EP1388979	02291952.6	EP1388979	DE	10-Jul-13	2-Aug-22	2-Aug-02	CONNECTION BETWEEN AN RPR AND AN MPLS NETWORK
11227	131227	131227-FR-EPA	EP1388979	02291952.6	EP1388979	FR	10-Jul-13	2-Aug-22	2-Aug-02	CONNECTION BETWEEN AN RPR AND AN MPLS NETWORK
131227   131227-07-099	131227	131227-GB-EPA	EP1388979	02291952.6	EP1388979	GB	10-Jul-13	2-Aug-22	2-Aug-02	CONNECTION BETWEEN AN RPR AND AN MPLS NETWORK
131222   131224   131234   1	131227	131227-US-NP	US7447213	614803	20040022268	us	4-Nov-08	3-Jan-26	9-Jul-03	CONNECTION BETWEEN AN RPR AND AN MPLS NETWORK.
111229   111229   1122	131227	131227-CN-NP		03149513.3	1472938	CN	7-Oct-09	14-Jul-23	14-Jul-03	CONNECTION BETWEEN AN RPR AND AN MPLS NETWORK.
111229   131296-06190   19111100   012920163   012920163   012920163   012900000   012900000000000000000000000000000000000	131259	131259-DE-EPA	EP1531566	03292866.5	EP1531566	DE	18-Mar-09	12-Nov-23	12-Nov-03	NETWORKS
131229   1312546-PP	131259	131259-FR-EPA	EP1531566	03292866.5	EP1531566	FR	18-Mar-09	12-Nov-23	12-Nov-03	NETWORKS
131222   13122-12-12-12-12-12-12-12-12-12-12-12-12-	131259	131259-GB-EPA	EP1531566	03292866.5	EP1531566	GB	18-Mar-09	12-Nov-23	12-Nov-03	
131314	131259	131259-US-NP	US7630297	10/822667	20050099941	us	8-Dec-09	31-Aug-28	13-Apr-04	
131314   131314-0F197		131332-EP-EPA		07290521.9					25-Apr-07	
131314   131314-16-17A	131334	131334-DE-EPA	EP1928124	06291864.4	EP1928124	DE	31-May-17	30-Nov-26	30-Nov-06	OF A TELECOMMUNICATION NETWORK
1972  13020  120000  120000  120000  120000  120000  120000  120000  120000	131334	131334-FR-EPA	EP1928124	06291864.4	EP1928124	FR	31-May-17	30-Nov-26	30-Nov-06	OF A TELECOMMUNICATION NETWORK
12/2027   13/2072/US-PW	131334	131334-GB-EPA	EP1928124	06291864.4	EP1928124	GB	31-May-17	30-Nov-26	30-Nov-06	OF A TELECOMMUNICATION NETWORK
12037   12037-US-NP				09/054557			25-Feb-03	3-Apr-18	3-Apr-98	
12/027   12/02745NP	132032	132032-US-NP	US5945816	09/063719		US	31-Aug-99	21-Apr-18	21-Apr-98	
122109   132109-US-NP										DIRECTIONAL PATH-SWITCHED SONET RING
	132073	132073-US-NP	US6019635	09/030153		US	1-Feb-00	25-Feb-18	25-Feb-98	
12217   132117-US-NP	132109	132109-US-NP	US5959986	08/941462		US	28-Sep-99	30-Sep-17	30-Sep-97	TELECOMMUNICATIONS SYSTEM EMPLOYING A STACKED MATRIX ARCHITECTURE
132125   132126-US-NP										COMMAND LINE TRANSFER TO A NETWORK ELEMENT
132127   132127-US-NP	132125	132125-US-NP	US6097728	08/934955		US	1-Aug-00	22-Sep-17	22-Sep-97	
132127   132127-U3-NP	132126	132126-US-NP	US6292472	09/177197		US	18-Sep-01	22-Oct-18	22-Oct-98	Reduced polling in an SNMPv1-managed network
132157   132157-US-NP	132127	132127-US-NP	US6628616	09/236989	20020181397	US	30-Sep-03	30-Jan-18	30-Jan-98	with controlled oversubscribed bandwidth trunks
132155   132155-US-NP	132147	132147-US-NP	US6243050	09/004117		US	5-Jun-01	7-Jan-18	7-Jan-98	Antenna
132150 132156-NP US.268946 09/108627 US 31-Jul-18 1-Jul-18 1-Jul-18 SIGNALS OVER A TRANSMISSION MEDIUM 132157 132157-US-NP US.5969575 08/988565 US 19-Oct-99 11-Dec-17 11-Dec-97 CALSS A/F AMPURITER HAVING SECOND AND THIRD ORDER HARMONIC INPUT AND OUTPUT 132159 132159-US-NP US.888350 08/969663 US 27-Apr-99 13-Now-17 13-Now-97 CONTRICUENT MILLED INTERMITTENTLY RADIAT COAXIAL CABLE 132199 132199-DE-NP 19936199.1 19936199.1 19936199.0 DE 24-Jan-13 31-Jul-19 31-Jul-19 DENSITY, INDUCTIVELY COUPLED PLASMA SOURCE FOR SPUTTERING METAL AND DELECTRIC FLMS 132199 132199-FR-NP FR2784906 9911876 2784906 FR 24-Feb-06 23-Sep-19 23-Sep-99 REACTEUR A PLASMA POUR LA PULVERISATION DE FLMS METAL LAUGUES ET DETECTRIQUES 132199-US-NP US.6132575 09/162646 US 17-Oct-00 28-Sep-18 28-Sep-98 DENSITY, INDUCTIVELY COUPLED PLASMA SOURCE FOR SPUTTERING METAL AND DELECTRIC FLMS 132202 132202-DE-EPA EP1193901 01440324.0 EP1193901 DE 29-Nov-06 1-Oct-21 1-Oct-01 METHOD AND SYSTEM FOR FRAME AND POINTER ALIGNMENT OF SONET DATA CHANNELS 132202 132202-GB-EPA EP1193901 01440324.0 EP1193901 GB 29-Nov-06 1-Oct-21 1-Oct-01 METHOD AND SYSTEM FOR FRAME AND POINTER ALIGNMENT OF SONET DATA CHANNELS 132202 132202-US-NP US.6963560 09/966588 20020118668 US 8-Nov-05 15-Apr-24 28-Sep-01 METHOD AND SYSTEM FOR FRAME AND POINTER ALIGNMENT OF SONET DATA CHANNELS 132205 132202-US-NP US.6963560 09/966588 20020118668 US 8-Nov-05 15-Apr-24 28-Sep-01 METHOD AND SYSTEM FOR FRAME AND POINTER ALIGNMENT OF SONET DATA CHANNELS 132205 OUTPUT POWER CONTROLLED WAVELENGTH	132155	132155-US-NP	US6381212	09/098896		US	30-Apr-02	17-Jun-18	17-Jun-98	AMPLIFYING MULTIPLE INPUT SIGNALS WITH SHARED POWER AMPLIFIERS
132157 132157 132157.US-NP US5969575 08/988565 US 13-Oct-99 11-Dec-17 11-Dec-17 11-Dec-17 11-Dec-17 12-Dec-17 11-Dec-17 11-Dec	132156	132156-US-NP	US6268946	09/108627		US	31-Jul-01	1-Jul-18	1-Jul-98	SIGNALS OVER A TRANSMISSION MEDIUM
132199 132199-DE-NP 1936199.1 1936199.1 1936199 DE 24-Jan-13 31-Jul-19 31-Jul-9 DE-SITE FOR PROVIDING A HIGH DE-SITE FOR PROVIDING A	132157	132157-US-NP	US5969575	08/988565		US	19-Oct-99	11-Dec-17	11-Dec-97	ORDER HARMONIC INPUT AND OUTPUT
132199 132199-DE-NP 19936199.1 19936199.1 19936199.1 19936199 DE 24-Jan-13 31-Jul-19 31-Jul-19 DENSITY, INDUCTIVELY COUPLED PLASMA SOURCE FOR SPUTTERING METAL AND DELECTRIC PLASM A SOURCE FOR SPUTTERING METAL PLASM P	132159	132159-US-NP	US5898350	08/969663		US	27-Apr-99	13-Nov-17	13-Nov-97	
132199 132199-US-NP US6132575 09/162646 US 17-Oct-00 28-Sep-18 28-Sep-88 DENSITY, INDUCTIVELY COUPLED PLASMA SOURCE  132202 132202-DE-EPA EP1193901 01440324.0 EP1193901 DE 29-Nov-06 1-Oct-21 1-Oct-01 METHOD AND SYSTEM FOR FRAME AND POINTER  132202 132202-FR-EPA EP1193901 01440324.0 EP1193901 FR 29-Nov-06 1-Oct-21 1-Oct-01 METHOD AND SYSTEM FOR FRAME AND POINTER  132202 132202-GB-EPA EP1193901 01440324.0 EP1193901 GB 29-Nov-06 1-Oct-21 1-Oct-01 METHOD AND SYSTEM FOR FRAME AND POINTER  132202 132202-GB-EPA EP1193901 01440324.0 EP1193901 GB 29-Nov-06 1-Oct-21 1-Oct-01 METHOD AND SYSTEM FOR FRAME AND POINTER  132202 132202-GB-EPA EP1193901 01440324.0 EP1193901 GB 29-Nov-06 1-Oct-21 1-Oct-01 METHOD AND SYSTEM FOR FRAME AND POINTER  132202 132202-GB-EPA EP1193901 01440324.0 EP1193901 GB 29-Nov-06 1-Oct-21 1-Oct-01 METHOD AND SYSTEM FOR FRAME AND POINTER  132202 132202-US-NP US6963560 09/966588 20020118668 US 8-Nov-05 15-Apr-24 28-Sep-01 METHOD AND SYSTEM FOR FRAME AND POINTER  132203 132202-US-NP US6963560 09/966588 20020118668 US 8-Nov-05 15-Apr-24 28-Sep-01 METHOD AND SYSTEM FOR FRAME AND POINTER  132205 132205-US-NP US6963560 09/966588 20020118668 US 8-Nov-05 15-Apr-24 28-Sep-01 METHOD AND SYSTEM FOR FRAME AND POINTER  132206 00/7906588 20020118668 US 8-Nov-05 15-Apr-24 28-Sep-01 METHOD AND SYSTEM FOR FRAME AND POINTER  132207 132207-US-NP US6963560 09/966588 20020118668 US 8-Nov-05 15-Apr-24 28-Sep-01 METHOD AND SYSTEM FOR FRAME AND POINTER  132208 132208-US-NP US6963560 09/966588 20020118668 US 8-Nov-05 15-Apr-24 28-Sep-01 METHOD AND SYSTEM FOR FRAME AND POINTER  132208 132208-US-NP US6963560 09/966588 20020118668 US 8-Nov-05 15-Apr-24 28-Sep-01 METHOD AND SYSTEM FOR FRAME AND POINTER  132209 00/790853 09/966588 20020118668 US 8-Nov-05 15-Apr-24 28-Sep-01 METHOD AND SYSTEM FOR FRAME AND POINTER  132205 132208-US-NP US6963560 09/966588 20020118668 US 8-Nov-05 15-Apr-24 28-Sep-01 METHOD AND SYSTEM FOR FRAME AND POINTER  132206 00/7908550 09/966588 20020118668 US 8-Nov-05 15-Apr-24 28-Sep-01 METHOD AND SYSTEM FOR F	132199	132199-DE-NP	19936199.1	19936199.1	19936199	DE	24-Jan-13	31-Jul-19	31-Jul-99	DENSITY, INDUCTIVELY COUPLED PLASMA SOURCE
132199   132199-US-NP	132199	132199-FR-NP	FR2784906	9911876	2784906	FR	24-Feb-06	23-Sep-19	23-Sep- <del>9</del> 9	REACTEUR A PLASMA POUR LA PULVERISATION DE
132202 132202-DE-EPA EP1193901 01440324.0 EP1193901 DE 29-Nov-06 1-Oct-21 1-Oct-01 METHOD AND SYSTEM FOR FRAME AND POINTER ALIGNMENT OF SONET DATA CHANNELS  132202 132202-FR-EPA EP1193901 01440324.0 EP1193901 FR 29-Nov-06 1-Oct-21 1-Oct-01 METHOD AND SYSTEM FOR FRAME AND POINTER ALIGNMENT OF SONET DATA CHANNELS  132202 132202-GB-EPA EP1193901 01440324.0 EP1193901 GB 29-Nov-06 1-Oct-21 1-Oct-01 METHOD AND SYSTEM FOR FRAME AND POINTER ALIGNMENT OF SONET DATA CHANNELS  132202 132202-US-NP US6963560 09/966588 20020118668 US 8-Nov-05 15-Apr-24 28-Sep-01 METHOD AND SYSTEM FOR FRAME AND POINTER ALIGNMENT OF SONET DATA CHANNELS  132202 132202-US-NP US6963560 09/966588 20020118668 US 8-Nov-05 15-Apr-24 28-Sep-01 METHOD AND SYSTEM FOR FRAME AND POINTER ALIGNMENT OF SONET DATA CHANNELS	132199	132199-US-NP	US6132575	09/162646		us	17-Oct-00	28-Sep-18	28-Sep-98	MAGNETRON REACTOR FOR PROVIDING A HIGH DENSITY, INDUCTIVELY COUPLED PLASMA SOURCE
132202 132202-GB-EPA EP1193901 01440324.0 EP1193901 FR 29-Nov-06 1-Oct-21 1-Oct-01 ALIGNMENT OF SONET DATA CHANNELS  132202 132202-GB-EPA EP1193901 01440324.0 EP1193901 GB 29-Nov-06 1-Oct-21 1-Oct-01 METHOD AND SYSTEM FOR FRAME AND POINTER ALIGNMENT OF SONET DATA CHANNELS  132202 132202-US-NP US6963560 09/966588 20020118668 US 8-Nov-05 15-Apr-24 28-Sep-01 METHOD AND SYSTEM FOR FRAME AND POINTER ALIGNMENT OF SONET DATA CHANNELS  132705 132705-USANE US6963560 09/966588 20020118668 US 8-Nov-05 15-Apr-24 28-Sep-01 ALIGNMENT OF SONET DATA CHANNELS	132202	132202-DE-EPA	EP1193901	01440324.0	EP1193901	DE	29-Nov-06	1-Oct-21	1-Oct-01	METHOD AND SYSTEM FOR FRAME AND POINTER
132202 132202-US-NP US6963560 09/966588 20020118668 US 8-Nov-05 15-Apr-24 28-Sep-01 ALIGNMENT OF SONET DATA CHANNELS  132705 132705-US-NP US6963560 09/966588 20020118668 US 8-Nov-05 15-Apr-24 28-Sep-01 ALIGNMENT OF SONET DATA CHANNELS  132705 132705-US-NP US6963560 09/966588 20020118668 US 8-Nov-05 15-Apr-24 28-Sep-01 ALIGNMENT OF SONET DATA CHANNELS	132202	132202-FR-EPA	EP1193901	01440324.0	EP1193901	FR	29-Nov-06	1-Oct-21	1-Oct-01	METHOD AND SYSTEM FOR FRAME AND POINTER ALIGNMENT OF SONET DATA CHANNELS
1322U2 1322U2-U5-NP US695356U 09/956588 2002U118688 US 8-NOV-U5 15-APF-24 28-Sep-U1 ALIGNMENT OF SONET DATA CHANNELS 132705 1327054IS-NP US6185233 09/328085 US 6-Feb-01 8-lin-19 8-lin-19 OUTPUT POWER CONTROLLED WAVELENGTH	132202	132202-GB-EPA	EP1193901	01440324.0	EP1193901	GB	29-Nov-06	1-Oct-21	1-Oct-01	METHOD AND SYSTEM FOR FRAME AND POINTER ALIGNMENT OF SONET DATA CHANNELS
	132202	132202-US-NP	US6963560	09/966588	20020118668	us	8-Nov-05	15-Apr-24	28-Sep-01	
	132205	132205-US-NP	US6185233	09/328035		US	6-Feb-01	8-Jun-19	8-Jun-99	STABILIZING SYSTEM
132206 132206-DE-EPA EP0986126 99402022.0 EP0986126 DE 21-Mar-07 9-Aug-19 9-Aug-99 COUPLING STRUCTURE FOR COUPLING CAVITY RESONATORS	132206	132206-DE-EPA	EP0986126	99402022.0	EP0986126	DE	21-Mar-07	9-Aug-19	9-Aug-99	

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	Application Number	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION	TITLE
132206	132206-FR-EPA	EP0986126	99402022.0	EP0986126	FR	21-Mar-07	9-Aug-19	9-Aug-99	COUPLING STRUCTURE FOR COUPLING CAVITY RESONATORS
132206	132206-GB-EPA	EP0986126	99402022.0	EP0986126	GB	21-Mar-07	9-Aug-19	9-Aug-99	COUPLING STRUCTURE FOR COUPLING CAVITY
132206	132206-IT-EPA	EP0986126	99402022.0	EP0986126	IT	21-Mar-07	9-Aug-19	9-Aug-99	RESONATORS COUPLING STRUCTURE FOR COUPLING CAVITY
132206	132206-US-NP	US6081175	09/151365		US	27-Jun-00	11-Sep-18	11-Sep-98	RESONATORS COUPLING STRUCTURE FOR COUPLING CAVITY
132220	132220-US-NP	US6043785	09/201692		US	28-Mar-00	30-Nov-18		RESONATORS BROADBAND FIXED RADIUS TAPERED SLOT ANTENNA
132230	132230-US-NP	US6647107	09/321516		US	11-Nov-03	27-May-19	27-May-99	Multi-User Answering System and Method
132251	132251-US-NP	US6310579	09/570101		US	30-Oct-01	12-May-20		METHOD AND APPARATUS FOR CALIBRATING ANTENNA APPARATUS AND TESTING AN ANTENNA CONNECTED THERETO
132253	132253-US-NP	US6353410	09/273113		US	5-Mar-02	19-Mar-19	19-Mar-99	SPACE TAPERED ANTENNA HAVING COMPRESSED SPACING OR FEED NETWORK PHASE PROGRESSION, OR BOTH
132254	132254-KR-NP	KR463611	199922458	20006204	KR	29-Dec-04	16-Jun-19	16-Jun-99	A POWER SHARING AMPLIFIER SYSTEM FOR A CELLULAR COMMUNICATIONS SYSTEM
132254	132254-US-NP	US6185182	09/098660		US	6-Feb-01	17-Jun-18	17-Jun-98	A POWER SHARING AMPLIFIER SYSTEM FOR A CELLULAR COMMUNICATIONS SYSTEM
132285	132285-AU-NP	AU763788	65314/99		AU	27-Nov-03	16-Dec-19	16-Dec-99	ISOLATION IMPROVEMENT CIRCUIT FOR DUAL POLARIZATION ANTENNA
132285	132285-US-NP	US6141539	09/238837		US	31-Oct-00	27-Jan-19	27-Jan-99	ISOLATION IMPROVEMENT CIRCUIT FOR DUAL POLARIZATION ANTENNA
132287	132287-US-NP	US6383938	09/295100		US	7-May-02	21-Apr-19	21-Apr-99	METHOD OF ANISOTROPIC ETCHING OF SUBSTRATES
132292	132292-DE-EPA	EP1030534	99120996.6	EP1030534	DE	4-Jan-12	4-Nov-19	4-Nov-99	OPTICAL FIBER-DELAY LINE BUFFERS WITH VOID FILLING
132292	132292-FR-EPA	EP1030534	99120996.6	EP1030534	FR	4-Jan-12	4-Nov-19	4-Nov-99	OPTICAL FIBER-DELAY LINE BUFFERS WITH VOID FILLING
132292	132292-GB-EPA	EP1030534	99120996.6	EP1030534	GB	4-Jan-12	4-Nov-19	4-Nov-99	OPTICAL FIBER-DELAY LINE BUFFERS WITH VOID FILLING
132292	132292-US-NP	US6493120	09/253309		US	10-Dec-02	19-Feb-19	19-Feb-99	Optical Fiber-Delay Line Buffers with Void Filling
132310	132310-US-NP	US6192422	09/036727		US	20-Feb-01	6-Mar-18	6-Mar-98	Repeater with flow control device transmitting congestion indication data from output port buffer to associated network node upon port input buffer crossing threshold level
132311	132311-DE-EPA	EP0993156	99119104.0		DE	3-Jan-07	4-Oct-19	4-Oct-99	NETWORK SWITCHING DEVICE WITH FORWARDING DATABASE TABLES POPULATED BASED ON USE
132311	132311-FR-EPA	EP0993156	99119104.0		FR	3-Jan-07	4-Oct-19	4-Oct-99	NETWORK SWITCHING DEVICE WITH FORWARDING DATABASE TABLES POPULATED BASED ON USE
132311	132311-GB-EPA	EP0993156	99119104.0		GB	3-Jan-07	4-Oct-19	4-Oct-99	NETWORK SWITCHING DEVICE WITH FORWARDING DATABASE TABLES POPULATED BASED ON USE
132311	132311-US-CNT	US6956854	10/027723	20020051450	US	18-Oct-05	29-Nov-19	20-Dec-01	NETWORK SWITCHING DEVICE WITH FORWARDING DATABASE TABLES POPULATED BASED ON USE
132313	132313-DE-EPA	EP0993152	99119105.7	EP0993152	DE	26-May-04	4-Oct-19	4-Oct-99	SWITCHING DEVICE WITH MULTISTAGE QUEUING SCHEME
132313	132313-ES-EPA	EP0993152	99119105.7	EP0993152	ES	26-May-04	4-Oct-19	4-Oct-99	SWITCHING DEVICE WITH MULTISTAGE QUEUING SCHEME
132313	132313-FR-EPA	EP0993152	99119105.7	EP0993152	FR	26-May-04	4-Oct-19	4-Oct-99	SWITCHING DEVICE WITH MULTISTAGE QUEUING SCHEME
132313	132313-GB-EPA	EP0993152	99119105.7	EP0993152	GB	26-May-04	4-Oct-19	4-Oct-99	SWITCHING DEVICE WITH MULTISTAGE QUEUING SCHEME
132313	132313-IT-EPA	EP0993152	99119105.7	EP0993152	п	26-May-04	4-Oct-19	4-Oct-99	SWITCHING DEVICE WITH MULTISTAGE QUEUING SCHEME
132313	132313-JP-NP	JP4391636	282951/99		JP	16-Oct-09	4-Oct-19	4-Oct-99	SWITCHING DEVICE WITH MULTISTAGE QUEUING SCHEME
132313	132313-US-NP	US6920146	09/166343		US	19-Jul-05	5-Oct-18	5-Oct-98	SWITCHING DEVICE WITH MULTISTAGE OLIFLING
132315	132315-US-NP	US6553000	09/166609		US	22-Apr-03	5-Oct-18	5-Oct-98	METHOD AND APPARATUS FOR FORWARDING NETWORK TRAFFIC
132317	132317-US-NP	US6553519	09/166676		US	22-Apr-03	5-Oct-18	5-Oct-98	METHOD FOR DETECTING SIGNAL TRANSFER ERRORS
132318	132318-US-NP	US6230191	09/172100		US	8-May-01	5-Oct-18	5-Oct-98	IN NEAR REAL TIME  Method and apparatus for regulating the amount of buffer memory requested by a port in a multi-port switching device with shared buffer memory
132319	132319-US-NP	US6470021	09/172101		US	22-Oct-02	5-Oct-18	5-Oct-98	COMPUTER NETWORK SWITCH WITH PARALLEL ACCESS SHARED MEMORY ARCHITECTURE
132363	132363-AU-NP	AU781132	61317/00		AU	5-May-05	26-Sep-20	26-Sep-00	CONTROL ARCHITECTURE IN OPTICAL BURST- SWITCHED NETWORKS
132363	132363-CN-NP	ZL00129100.9	00129100.9	1296346A	CN	17-Sep-08	29-Sep-20	29-Sep-00	CONTROL ARCHITECTURE IN OPTICAL BURST- SWITCHED NETWORKS
132363	132363-DE-EPA	EP1089498	00120631.7	EP1089498	DE	7-May-08	21-Sep-20	21-Sep-00	CONTROL ARCHITECTURE IN OPTICAL BURST- SWITCHED NETWORKS
132363	132363-FR-EPA	EP1089498	00120631.7	EP1089498	FR	7-May-08	21-Sep-20	21-Sep-00	CONTROL ARCHITECTURE IN OPTICAL BURST- SWITCHED NETWORKS
132363	132363-GB-EPA	EP1089498	00120631.7	EP1089498	GB	7-May-08	21-Sep-20	21-Sep-00	CONTROL ARCHITECTURE IN OPTICAL BURST- SWITCHED NETWORKS
132363	132363-US-NP	US6721315	09/409573		US	13-Apr-04	30-Sep-19	30-Sep-99	CONTROL ARCHITECTURE IN OPTICAL BURST- SWITCHED NETWORKS
132390	132390-US-NP	US6810211	09/584325		US	26-Oct-04	3-Dec-21	30-May-00	SWITCHED NETWORKS A PREFERRED WDM PACKET-SWITCHED ROUTER ARCHITECTURE AND METHOD FOR GENERATING SAME
132394	132394-US-NP	US6819870	09/569488		US	16-Nov-04	11-May-20	11-May-00	ALL-OPTICAL NETWORKING OPTICAL FIBER LINE DELAY BUFFERING APPARATUS AND METHOD
132427 132429	132427-US-NP 132429-US-NP	US6839321 US6570694	09/618196 09/519067		US	4-Jan-05 27-May-03	22-Jan-23 3-Mar-20	18-Jul-00 3-Mar-00	
132510	132510-US-NP	US6624723	09/901059		US	23-Sep-03	16-Jul-21	10-Jul-01	WAVELENGTH SAMPLING MULTI-CHANNEL FREQUENCY MULTIPLEXER WITH
101010	202010 00 111	5500E772J	55/301033			73-3eb-03	10-301-21	10-30-01	SMALL DIMENSION

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	CASE	GRANT	APPLICATION	PUBLICATION		ISSUE		APPLICATION	
FAMILY 132510	REFERENCE 132510-CN-NP	NUMBER ZL398311	NUMBER 02140548.4	NUMBER CN1399437	COUNTRY CN	28-May-08	<b>DATE</b> 9-Jul-22	DATE 9-Jul-02	TETLE MULTI-CHANNEL FREQUENCY MULTIPLEXER WITH
132776	132776-US-NP	US7577965	10/756332	20040187141	US	18-Aug-09	14-Jan-24		SMALL DIMENSION  ORBAL: A Push-Based Object Request Broker
132783	132783-CN-NP	ZL200410080868	200410080868.3	1606200	CN	17-Dec-08	9-Oct-24	9-Oct-04	
132783	132783-US-NP	US6926555	10/681220	20050079759	US	9-Aug-05	9-Oct-23	9-Oct-03	Tuned Radio Frequency Coaxial Connector
132813	132813-DE-EPT	EP1407401	02739634.0	EP1407401	DE	19-Sep-07	3-Jun-22	3-Jun-02	Auffüllen des Kontos eines Teilnehmers für einen Multimedia-Dienst auf einem Kommunikationsnetz, während der Dienst bereitgestellt wird
132813	132813-FR-EPT	EP1407401	02739634.0	EP1407401	FR	19-Sep-07	3-Jun-22	3-Jun-02	Topping Up A Subscribers's Account For A Multimedia Service On A Communications Network While The Service Is Being Provided
132813	132813-GB-EPT	EP1407401	02739634.0	EP1407401	GB	19-Sep-07	3-Jun-22	3-Jun-02	While The Service Is Being Provided
134011	134011-US-NP 134020-US-NP	US6895004 US6944162	09/550867 09/679138		US	17-May-05 13-Sep-05	17-Apr-20 9-Sep-22	17-Apr-00 3-Oct-00	Internal Use Only Addresses Tuple-Based Lookup Scheme for Packet Switching
134035	134035-CN-NP	ZL01124566.2	01124566.2	1339899A	CN	26-Mar-08	10-Aug-21	10-Aug-01	Node Switch emulation client
134035	134035-US-NP	US7035248	09/781851	20020110113	US	25-Apr-06	16-Apr-23	12-Feb-01	SWITCH WITH EMULATION CLIENT
134179	134179-CN-NP	ZL200510107882	200510107882.2	1756266	CN	11-Nov-09	29-Sep-25	29-Sep-05	METHODS AND DEVICES FOR ACHIEVING PARALLEL
134179	134179-CN-INP	.2 EP1643735	05019314.3	EP1643735	DE	26-Dec-07	6-Sep-25	6-Sep-05	OPERATION BETWEEN IP AND ANALOG PHONES  METHODS AND DEVICES FOR ACHIEVING PARALLEL
134175	1341/3-DE-EFA	LF 1043733	03019314.3	EF 1043733	UL.	20-060-07	0-3ер-23	0-зер-03	OPERATION BETWEEN IP AND ANALOG PHONES
134179	134179-GB-EPA	EP1643735	05019314.3	EP1643735	GB	26-Dec-07	6-Sep-25	6-Sep-05	METHODS AND DEVICES FOR ACHIEVING PARALLEL OPERATION BETWEEN IP AND ANALOG PHONES
134179	134179-US-NP	US7672294	10/956204	20060067302	US	2-Mar-10	29-Nov-28	30-Sep-04	METHODS AND DEVICES FOR ACHIEVING PARALLEL OPERATION BETWEEN IP AND ANALOG PHONES
134234	134234-US-NP2	US7609655	11/463718	20070058571	US	27-Oct-09	10-Dec-26	10-Aug-06	802.1S MSTI TOPOLOGY CHANGE WHEN REGIONAL ROOT INFORMATION CHANGES
134924	134924-US-NP	US6006306	08/887359		US	21-Dec-99	2-Jul-17	2-Jul-97	Integrated circuit with stage-implemented content- addressable memory cell
134925	134925-US-NP	US6047024	08/918544		US	4-Aug-00	22-Aug-17	22-Aug-97	Device for equalizing channel-distorted signals
134927	134927-US-NP	US6061368	08/964597		US	9-May-00	5-Nov-17	5-Nov-97	Custom Circuitry for Adaptive Hardware Routing Engine
134931	134931-US-NP	US6389035	09/075299		US	14-May-02	8-May-18	8-May-98	Translation hardware assist for data communication
134932	134932-US-NP	US6504842	09/126916		US	7-Jan-03	30-Jul-18	30-Jul-98	switch Hardware Copy Assist for Data Communication
			-						Switch Shadow Arrays for Distributed Memory
134933	134933-US-NP	US6292826	09/161875		US	18-Sep-01	28-Sep-18	28-Sep-98	Multiprocessor Architecture  Data Communication Switch with Distributed
134935	134935-US-NP	US6711163	09/313900		US	23-Mar-04	18-May-19	18-May-99	Multicasting
134936	134936-US-NP	US6721309	09/314261		us	13-Apr-04	18-May-19	18-May-99	Method and Apparatus for Maintaining Packet Order Integrity in Parallel Switching Architecture
135010	135010-US-NP	US6400713	09/342740		US	4-Jun-02	29-Jun-19	29-Jun-99	INTEGRATED ELEMENT MANAGER AND INTEGRATED MULTI-SERVICES ACCESS PLATFORM
135015	135015-US-NP	US6493346	09/282894		us	10-Dec-02	31-Mar-19	31-Mar-99	SYSTEM FOR PROVIDING CONVERSION OF TDM- BASED FRAME RELAY DATA IN A CROSS-CONNECT MATRIX TO AND FORMAT ATM DATA
135051	135051-US-NP	US6144998	09/056590		us	7-Nov-00	7-Apr-18	7-Apr-98	SUBSCRIBER SYSTEM FOR INTERACTIVE INTERFACING WITH BROADCAST INFORMATION
135064	135064-US-NP	US6570844	09/221944		us	27-May-03	28-Dec-18	28-Dec-98	SYSTEM AND METHOD FOR PROVIDING REDUNDANCY IN A TELECOMMUNICATIONS SYSTEM
135069	135069-DE-EPT	EP1142295	99967686.9	EP1142295	DE	30-Sep-09	28-Dec-19	28-Dec-99	SYSTEM AND METHOD OF POWER LIMITING CALL PROCESSING IN TELECOMMUNICATIONS EQUIPMENT
135069	135069-FR-EPT	EP1142295	99967686.9	EP1142295	FR	30-Sep-09	28-Dec-19	28-Dec-99	SYSTEM AND METHOD OF POWER LIMITING CALL PROCESSING IN TELECOMMUNICATIONS EQUIPMENT
135069	135069-GB-EPT	EP1142295	99967686.9	EP1142295	GB	30-Sep-09	28-Dec-19	28-Dec-99	SYSTEM AND METHOD OF POWER LIMITING CALL PROCESSING IN TELECOMMUNICATIONS EQUIPMENT
135074	135074-US-NP	US6226373	09/108490		US	1-May-01	1-Jul-18	1-Jul-98	INTELLIGENT SERVICE PERIPHERAL/INTELLIGENT PERIPHERAL
135167	135167-US-NP	US6188759	09/006272		US	13-Feb-01	13-Jan-18	13-Jan-98	METHOD AND APPARATUS OF PROCESSING A CALL IN A TELECOMMUNICATIONS NETWORK
135219	135219-US-PCT	US6600815	09/331830		US	29-Jul-03	23-Dec-17	23-Dec-97	TELEPHONE NETWORK ACCESS ADAPTER
135229	135229-US-NP	US6198813	08/941683		us	6-Mar-01	30-Sep-17	30-Sep-97	SYSTEM AND METHOD FOR PROVIDING CALL PROCESSING SERVICES USING CALL INDEPENDENT BUILDING BLOCKS
135231	135231-US-NP	U56055232	08/912039		US	25-Apr-00	15-Aug-17	15-Aug-97	TELECOMMUNICATIONS NETWORK ARCHITECTURE DEPLOYING INTELLIGENT NETWORK SERVICES IN A LEGACY NETOWRK
135234	135234-US-NP	US5953318	08/984791	<u></u>	US	14-Sep-99	4-Dec-17	4-Dec- <del>9</del> 7	DISTRIBUTED TELECOMMUNICATIONS SWITCHING SYSTEM AND METHOD
135252	135252-US-NP	US6430185	08/997341	20020057670	US	6-Aug-02	23-Dec-17	23-Dec-97	APPARATUS AND METHOD FOR BIDIRECTIONAL DATA TRANSFER
135255	135255-US-NP	US6008976	08/979018		US	28-Dec-99	26-Nov-17	26-Nov-97	CONNECTOR FOR A PROTECTOR BLOCK IN A TELECOMMUNICATIONS SYSTEM
135260	135260-US-NP	US6049541	08/985387		US	11-Apr-00	4-Dec-17	4-Dec-97	DISTRIBUTED TELECOMMUNICATIONS SWITCHING SYSTEM AND METHOD
135268	135268-US-NP	US5912954	09/001622		US	15-Jun-99	31-Dec-17	31-Dec-97	METHOD AND SYSTEM FOR PROVIDING BILLING INFORMATION IN A TELECOMMUNICATIONS NETWORK
135273	135273-US-NP	US6064726	09/002195		US	16-May-00	31-Dec-17	31-Dec-97	FULLY FLEXIBLE ROUTING SYSTEM
135275	135275-US-NP	US6115383	08/928116		US	5-Sep-00	12-Sep-17	12-Sep-97	SYSTEM AND METHOD OF MESSAGE DISTRIBUTION IN A TELECOMMUNICATIONS NETWORK

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	TSSUE DATE	EXPURATION DATE	APPLICATION DATE	NTLE
135278	135278-US-NP	US6470028	09/175063		US	22-Oct-02	19-Oct-18	19-Oct-98	SYSTEM AND METHOD FOR TRANSLATING TELECOMMUNICATIONS SIGNALS OF SPAN
135282	135282-US-NP	US5959987	08/944623		US	28-Sep-99	2-Oct-17	2-Oct-97	INTERFACES SYSTEM AND APPARATUS FOR DATA BUS INTERFACE
135285	135285-US-NP	US6058120	08/940369		US	2-May-00	30-Sep-17	30-Sep-97	SYSTEM AND APPARATUS FOR CONTROLLING TELECOMMUNICATIONS COMPONENTS
135286	135286-US-NP	US6240087	09/052182		US	29-May-01	31-Mar-18	31-Mar-98	OC3 DELIVERY UNIT; COMMON CONTROLLER FOR APPLICATION MODULES
135287	135287-US-NP	US5926303	08/901996		US	20-Jul-99	29-Jul-17	29-Jul-97	SYSTEM AND APPARATUS FOR OPTICAL FIBER INTERFACE
135289	135289-US-NP	U56044088	08/940476		US	28-Mar-00	30-Sep-17	30-Sep-97	SYSTEM AND CIRCUIT FOR TELECOMMUNICATIONS
425202	425202 US ND	115533.4454	00/070504			27.11 04	20.4.40	20.4.00	DATA CONVERSION  MULTIPLE NETWORK CONFIGURATION WITH LOCAL
135292	135292-US-NP	US6324161	09/070581		US	27-Nov-01	30-Apr-18	30-Apr-98	AND REMOTE NETWORK REDUNDANCY BY DUAL MEDIA REDIRECT
135294	135294-US-NP	US6088414	08/993288		US	11-Jul-00	18-Dec-17	18-Dec-97	METHOD OF FREQUENCY AND PHASE LOCKING IN A PLURALITY OF TEMPORAL FRAMES
135299	1352 <del>99</del> -US-NP	US5909065	08/996893		US	1-Jun-99	23-Dec-17	23-Dec-97	MULTI-STAGE PRECHARGING SYSTEM TO LIMIT POWER SUPPLY TRANSIENTS WHEN PRINTED CIRCUIT BOARDS ARE PLUGGED IN
135301	135301-US-NP	US6195795	08/994252		US	27-Feb-01	19-Dec-17	19-Dec-97	APPARATUS AND METHOD FOR AUTOMATIC SOFTWARE RELEASE NOTIFICATION
135305	135305-US-NP	US6088434	08/960013		US	11-Jul-00	29-Oct-17	29-Oct-97	METHOD AND SYSTEM FOR COMMUNICATING TELECOMMUNICATIONS PROVISIONING INFORMATION
135306	135306-US-NP	US6104796	08/960326		us	15-Aug-00	29-Oct-17	29-Oct-97	METHOD AND SYSTEM FOR PROVISIONING TELECOMMUNICATIONS SERVICES
135307	135307-US-NP	US5970120	08/960174		US	19-Oct-99	29-Oct-17	29-Oct-97	METHOD AND SYSTEM FOR TESTING PROVISIONING OF TELECOMMUNICATIONS SERVICES
135314	135314-US-NP	US6061729	09/002192		us	9-May-00	31-Dec-17	31-Dec-97	METHOD AND SYSTEM FOR COMMUNICATING SERVICE INFORMATION IN AN ADVANCED INTELLIGENT NETWORK
135317	135317-US-NP	US5937412	08/999007		US	10-Aug-99	29-Dec-17	29-Dec-97	METHOD AND SYSTEM FOR PACKAGING SERVICE LOGIC PROGRAMS IN AN ADVANCED INTELLIGENT NETWORK
135319	135319-US-NP	US6243451	08/947693		US	5-Jun-01	9-Oct-17		SERVICE MANAGEMENT ACCESS POINT SYSTEM AND METHOD FOR CONTROLLING ACCESS
135320	135320-US-NP	US6041325	08/948161		US	21-Mar-00	9-Oct-17	9-Oct-97	TO A TELEPHONY DATABASE SERVICE MANAGEMENT SYSTEM FOR AN ADVANCED
135321	135321-US-NP	US6178438	08/993433		US	23-Jan-01	18-Dec-17	18-Dec-97	INTELLIGENT NETWORK  METHOD AND SYSTEM FOR PROVISIONING
135323	135323-US-NP	US6009430	08/993792		US	28-Dec-99	19-Dec-17	19-Dec-97	DATABASES IN AN ADVANCED INTELLIGENT NETWORK
135325	135325-US-NP	US6154467	09/006694		US	28-Nov-00	14-Jan-18		HIGH SPEED SS7 SIGNALING ADAPTATION DEVICE
135326 135327	135326-US-NP 135327-US-NP	US5839169 US5832567	08/901775 08/901774		US	24-Nov-98 10-Nov-98	28-Jul-17 28-Jul-17		CABLE TIE WITH SAFETY GUARD CABLE TIE WITH SAFETY GUARD
135330	135330-US-NP	US6065530	09/001617		US	23-May-00	31-Dec-17	31-Dec-97	WEATHERPROOF DESIGN FOR REMOTE TRANSCEIVER
135347	135347-US-NP	US5936938	08/961862		US	10-Aug-99	31-Oct-17	31-Oct-97	SYSTEM AND METHOD FOR PROVIDING SWITCHING BETWEEN PATHS IN A TELECOMMUNICATIONS SYSTEM
135348	135348-US-NP	US6041332	09/001321		US	21-Mar-00	31-Dec-17	31-Dec-97	PRODUCT-INDEPENDENT PERFORMANCE MONITORING TOOL KIT
135351	135351-US-NP	US6222535	09/177547		us	24-Apr-01	22-Oct-18	22-Oct-98	SYSTEM AND METHOD FOR FACILITATING ISSUE TRACKING
135354	135354-US-NP	US6175618	09/109029		US	16-Jan-01	1-Jul-18	1-Jul-98	ANI BASED ROUTING PERFORMANCE MONITORING DATA ACQUISITION
135355	135355-US-NP	US6097702	09/002141		US	1-Aug-00	31-Dec-17	31-Dec-97	LIBRARY PERFORMANCE MONITORING MULTIPLEXER
135358	135358-US-NP	US6069875	09/001318		US	30-May-00	31-Dec-17	31-Dec-97	MODULE FOR A PACKAGING PM DATA
135361	135361-US-NP	US6269396	09/211016		US	31-Jul-01	11-Dec-18		TELECOM PLATFORM SYSTEM AND METHOD SYSTEM AND METHOD FOR MESSAGE
135362	135362-US-NP	US6049545	08/943436		US	11-Apr-00	3-Oct-17	3-Oct-97	COMMUICATIONS IN A DISTRIBUTED TELECOMMUNICATIONS SWITCH
135365	135365-US-NP	US6075854	09/208192		US	13-Jun-00	8-Dec-18	8-Dec-98	FULLY FLEXIBLE ROUTING SERVICE FOR AN ADVANCED INTELLIGENT NETWORK
135367	135367-US-NP	US6061364	08/992373		US	9-May-00	16-Dec-17	16-Dec-97	SYSTEM AND METHOD FOR TRANSPORTING SS7 SIGNALING OVER BROADBAND ASYNCHRONOUS TRANSFER MODE LINKS
135369	135369-US-NP	US6307546	09/000664		us	23-Oct-01	30-Dec-17	30-Dec-97	TELECOMMUNICATIONS SYSTEM CRAFT INTERFACE DEVICE WITH PARSER HAVING OBJECT-ORIENTED STATE MACHINE
135371	135371-US-NP	US6370154	09/000663		US	9-Apr-02	30-Dec-17	30-Dec-97	TELECOMMUNICATIONS SYSTEM CRAFT INTERFACE DEVICE WITH BROADBAND END-TO-END CROSS- CONNECT CAPABILITY
135374	135374-US-NP	US6119173	08/944682		us	12-Sep-00	7-Oct-17	7-Oct-97	SYSTEM AND METHOD FOR COMMUNICATIONS AND PROCESS MANAGEMENT IN A DISTRIBUTED TELECOMMUNICATIONS SWITCH
135375	135375-DE-EPT	EP1040687	98963207.0	EP1040687	DE	11-Aug-04	15-Dec-18	15-Dec-98	SYSTEM FOR FORWARDING AND LOGGING A DIGITAL MESSAGE FROM A TELECOMMUNICATIONS DEVICE
135375	135375-FR-EPT	EP1040687	98963207.0	EP1040687	FR	11-Aug-04	15-Dec-18	15-Dec-98	SYSTEM FOR FORWARDING AND LOGGING A DIGITAL MESSAGE FROM A TELECOMMUNICATIONS DEVICE
135375	135375-GB-EPT	EP1040687	98963207.0	EP1040687	GB	11-Aug-04	15-Dec-18	15-Dec-98	SYSTEM FOR FORWARDING AND LOGGING A DIGITAL MESSAGE FROM A TELECOMMUNICATIONS DEVICE
135375	135375-US-NP	US6175732	08/990289		US	16-Jan-01	15-Dec-17	15-Dec-97	SYSTEM FOR FORWARDING AND LOGGING A DIGITAL MESSAGE FROM A TELECOMMUNICATIONS DEVICE
135376	135376-US-NP	US6263212	09/024360		US	17-Jul-01	17-Feb-18	17-Feb-98	SHORT MESSAGE SERVICE CENTER
135377	135377-CN-PCT	ZL99803224.7	99803224.7	1291290A	CN	22-Feb-06	27-Jan-19	27-Jan-99	METHOD FOR DYNAMICALLY UPDATING CELLULAR PHONE UNIQUE ENCRYPTION KEYS
135377	135377-DE-EPT	EP1051820	99905566.8		DE	30-Aug-06	27-Jan-19	27-Jan-99	METHOD FOR DYNAMICALLY UPDATING CELLULAR PHONE UNIQUE ENCRYPTION KEYS
135377	135377-FR-EPT	EP1051820	99905566.8		FR	30-Aug-06	27-Jan-19	27-Jan-99	METHOD FOR DYNAMICALLY UPDATING CELLULAR PHONE UNIQUE ENCRYPTION KEYS

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	CASE			PUBLICATION		ISSUE		APPLICATION	
135377	REFERENCE 135377-GB-EPT	NUMBER EP1051820	NUMBER 99905566.8	NUMBER	GB COUNTRY	30-Aug-06		<b>DAT</b> 6 27-Jan-99	TETLE METHOD FOR DYNAMICALLY UPDATING CELLULAR
135377	135377-US-NP	US5991405	09/014121		US	23-Nov-99	27-Jan-18	27-Jan-98	PHONE UNIQUE ENCRYPTION KEYS METHOD FOR DYNAMICALLY UPDATING CELLULAR
									PHONE UNIQUE ENCRYPTION KEYS A SPEECH RECOGNITION SYSTEM USING SHARED
135381	135381-US-NP	US6061653	09/115782		US	9-May-00			SPEECH MODELS FOR MULTIPLE RECOGNITION PROCESSES
135383	135383-US-NP	US6233316	09/013770		US	15-May-01	27-Jan-18		VOICE ENHANCED PHONE CARD METHOD AND A SYSTEM FOR ALLOWING DIGIT
135384	135384-EP-EPA		98403240.9	EP0928094	EP		21-Dec-18	21-Dec-98	STRING VOICE DIALING WHICH DISABLES RECEIVER- OF-HOOK
135384	135384-US-NP	US6167118	09/001182		US	26-Dec-00	30-Dec-17	30-Dec-97	
135388	135388-US-NP	US5906475	08/969068		US	25-May-99	12-Nov-17	12-Nov-97	OF-HOOK HOUSING FOR A FAN
135397	135397-US-NP	US6363078	09/052560		US	26-Mar-02	31-Mar-18	31-Mar-98	OC-3 DELIVERY UNIT: PATH VERIFICATION SCHEME
135400	135400-US-NP	US5946374	08/989952		US	31-Aug-99	12-Dec-17	12-Dec-97	PAIR GAIN TEST UNIT FOR USE IN A COMBINED TELEPHONY/VIDEO COAXIAL CABLE TERMINATION
135401	135401-US-NP	US6122273	08/988547		US	19-Sep-00	10-Dec-17	10-Dec-97	LINE INTERFACE SELECTION CIRCUIT
135402	135402-US-NP	US5969836	08/991106		US	19-Oct-99	12-Dec-17	12-Dec-97	METHOD AND APPARATUS FOR SIMULTANEOUS TRANSMISSION OF DIGITAL TELEPHONY AND ANALOG VIDEO OVER A SINGLE OPTIC FIBER USING WAVE DIVISION
135415	135415-US-NP	US6208664	09/014040		US	27-Mar-01	27-Jan-18	27-Jan- <del>9</del> 8	HDSL MODULES FOR TELECOMMUNICATIONS CHANNEL UNITS
135417 135426	135417-US-NP 135426-US-NP	US6473436 US6259678	09/014043 09/001066		US US	29-Oct-02 10-Jul-01	27-Jan-18 30-Dec-17	27-Jan-98 30-Dec-97	DIGITAL LOOP CARRIER TELECOMMUNICATIONS TERMINAL MANAGEMENT
133420	133420-03-141	030233078	03/001000		03	10-301-01	30-Dec-17	30-060-37	UNIVERSAL PERSONAL TELECOMMUNICATIONS
135428	135428-US-NP	US6018737	08/993436		US	25-Jan-00	18-Dec-17	18-Dec-97	SERVICE FOR AN ADVANCED INTELLIGENT NETWORK
135437	135437-US-NP	US6477178	09/052918		US	5-Nov-02	31-Mar-18	31-Mar-98	SYSTEM AND METHOD FOR TRAFFICKING TELECOMMUNICATIONS SIGNALS
135439	135439-US-NP	US6590899	09/148175		US	8-Jul-03	4-Sep-18	4-Sep-98	SYSTEM FOR CONSOLIDATING TELECOMMUNICATIONS TRAFFIC ONTO A MINIMUM NUMBER OF OUTPUT PATHS
135441	135441-DE-EPA	EP1001349	99308913.5	EP1001349	DE	31-Dec-08	9-Nov-19	9-Nov-99	SOFTWARE CONTROLLABLE TERMINATION NETWORK FOR HIGH SPEED BACKPLANE BUS
135441	135441-FR-EPA	EP1001349	99308913.5	EP1001349	FR	31-Dec-08	9-Nov-19	9-Nov-99	SOFTWARE CONTROLLABLE TERMINATION NETWORK FOR HIGH SPEED BACKPLANE BUS
135441	135441-GB-EPA	EP1001349	99308913.5	EP1001349	GB	31-Dec-08	9-Nov-19	9-Nov-99	SOFTWARE CONTROLLABLE TERMINATION NETWORK FOR HIGH SPEED BACKPLANE BUS
135441	135441-US-NP	US7005938	09/188815		US	28-Feb-06	9-Nov-18	9-Nov-98	SOFTWARE CONTROLLABLE TERMINATION NETWORK FOR HIGH SPEED BACKPLANE BUS
135443	135443-US-NP	US6024165	09/140454		US	15-Feb-00		26-Aug-98	THERMAL MANAGEMENT DEVICE AND SYSTEM FOR AN ELECTRONIC COMPONENT ENCLOSURE
135444 135504	135444-US-NP 135504-US-NP	US6317873 US6407533	09/173158 09/703073		US	13-Nov-01 18-Jun-02	14-Oct-18 31-Oct-20	14-Oct-98 31-Oct-00	ASSEMBLY LANGUAGE TRANSLATOR BATTERY TEMPERATURE STABILIZATION SYSTEM AND
135510	135510-US-NP	US6522732	09/455049		US	18-Feb-03	6-Dec-19	6-Dec-99	METHOD System and Method of Preserving Stable Calls During a Split Mode Operation of Telecommunications Equipment
135516	135516-US-CNT	US7609622	10/701089	20040090911	US	27-Oct-09	10-Dec-22	4-Nov-03	COMMUNICATION SYSTEM HAVING ENHANCED RELIABILITY
135517	135517-DE-EPA	EP1113611	00127302.8	EP1113611	DE	22-Sep-10	13-Dec-20	13-Dec-00	METHOD AND APPARATUS FOR PASSING CONTROL INFORMATION IN A BIDIRECTIONAL LINE SWTICHED RING CONFIGURATION
135517	135517-FR-EPA	EP1113611	00127302.8	EP1113611	FR	22-Sep-10	13-Dec-20	13-Dec-00	RING CONFIGURATION
135517	135517-GB-EPA	EP1113611	00127302.8	EP1113611	GB	22-Sep-10	13-Dec-20		METHOD AND APPARATUS FOR PASSING CONTROL INFORMATION IN A BIDIRECTIONAL LINE SWTICHED RING CONFIGURATION
135517	135517-US-NP	US6683891	09/473409		US	27-Jan-04	27-Dec-19	27-Dec-99	METHOD AND APPARATUS FOR PASSING CONTROL INFORMATION IN A BIDIRECTIONAL LINE SWTICHED RING CONFIGURATION
135527	135527-US-NP	US6789118	09/511145		US	7-Sep-04	23-Feb-20	23-Feb-00	MULTI-SERVICE NETWORK SWITCH WITH POLICY BASED ROUTING MULTI-SERVICE NETWORK SWITCH WITH A GENERIC
135533	135533-US-NP	US7116679	09/511265		US	3-Oct-06	23-Feb-20	23-Feb-00	FORWARDING
135535	135535-DE-EPA	EP1083696	00119349.9	EP1083696	DE	27-Apr-11	8-Sep-20	8-Sep-00	SYSTEM AND METHOD FOR PACKET LEVEL DISTRIBUTED ROUTING IN FIBER OPTIC RINGS SYSTEM AND METHOD FOR PACKET LEVEL
135535	135535-FR-EPA	EP1083696	00119349.9	EP1083696	FR	27-Apr-11	8-Sep-20	8-Sep-00	DISTRIBUTED ROUTING IN FIBER OPTIC RINGS
135535	135535-GB-EPA	EP1083696	00119349.9	EP1083696	GB	27-Apr-11	8-Sep-20	8-Sep-00	SYSTEM AND METHOD FOR PACKET LEVEL DISTRIBUTED ROUTING IN FIBER OPTIC RINGS
	135535-US-NP	US6532088	09/393747		US	11-Mar-03	·	·	Distributed IP Routing in SONET Rings SIGNAL TRANSFER POINT LOCAL NUMBER
135537	135537-US-CNT	US6549620	10/192569	20020176562	US	15-Apr-03	10-Jul-22	10-Jul-02	PORTABILITY DATABASE AUDIT SYSTEM AND METHOD
135566	135566-US-CNT	US6574327	10/192242	20020176561	US	3-Jun-03	27-Dec-19	10-Jul-02	APPARATUS AND METHOD OF PROCESSING LOCAL NUMBER PORTABILITY CALLS IN A SIGNAL TRANSFER POINT OF A TELECOMMUNICATIONS NETWORK
135569	135569-DE-EPA	EP1111939	00126463. <del>9</del>	EP1111939	DE	24-Aug-05	7-Dec-20	7-Dec-00	Behandlung von Anrufen in einer Nummernportabilitätsumgebung mittels erzwungener Standardwegelenkung
135569	135569-FR-EPA	EP1111939	00126463.9	EP1111939	FR	24-Aug-05	7-Dec-20	7-Dec-00	SYSTEM AND METHOD OF PERFORMING FORCED DEFAULT ROUTING OF CALLS
135569	135569-GB-EPA	EP1111939	00126463.9	EP1111939	GB	24-Aug-05	7-Dec-20	7-Dec-00	SYSTEM AND METHOD OF PERFORMING FORCED DEFAULT ROUTING OF CALLS
135569	135569-IT-EPA	EP1111939	00126463.9	EP1111939	П	24-Aug-05	7-Dec-20	7-Dec-00	SYSTEM AND METHOD OF PERFORMING FORCED DEFAULT ROUTING OF CALLS
135569	135569-SE-EPA	EP1111939	00126463.9		SE	24-Aug-05	7-Dec-20	7-Dec-00	SYSTEM AND METHOD OF PERFORMING FORCED DEFAULT ROUTING OF CALLS
135569	135569-US-NP	US6526137	09/470658		US	25-Feb-03	22-Dec-19	22-Dec-99	SYSTEM AND METHOD OF PERFORMING FORCED DEFAULT ROUTING OF CALLS
	135571-US-NP 135578-DE-EPA	US6155921 EP1111956	09/433334 00127917.3	EP1111956	US DE	5-Dec-00 25-Apr-07			AIR RAMP VARIBLE RATE SUBSCRIBER BUS

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FAMILY	CASE REFERENCE	NUMBER	NUMBER	PUBLICATION NUMBER	COUNTRY	DATE	DATE	APPLICATION DATE	TITLE
135578 135578	135578-FR-EPA 135578-GB-EPA	EP1111956 EP1111956	00127917.3 00127917.3	EP1111956 EP1111956	FR GB	25-Apr-07 25-Apr-07	20-Dec-20 20-Dec-20		VARIBLE RATE SUBSCRIBER BUS VARIBLE RATE SUBSCRIBER BUS
135578	135578-IT-EPA	EP1111956 US6621830	00127917.3	EP1111956	IT US	25-Apr-07	20-Dec-20 22-Dec-19		VARIBLE RATE SUBSCRIBER BUS VARIBLE RATE SUBSCRIBER BUS
135578 135591	135578-US-NP 135591-US-NP	US6795393	09/470141 09/690153		US	16-Sep-03 21-Sep-04	30-Nov-22	16-Oct-00	METHOD AND APPARATUS FOR ERRORLESS PATH PROTECTION AND REARRANGEMENT
135598	135598-DE-EPA	EP1111850	00122501.0	EP1111850	DE	19-Mar-08	14-Oct-20	14-Oct-00	CONTROL DISTIRBUTION PROTOCOL FOR A PORTABLE ROUTER FRAMEWORK
135598	135598-FR-EPA	EP1111850	00122501.0	EP1111850	FR	19-Mar-08	14-Oct-20	14-Oct-00	CONTROL DISTIRBUTION PROTOCOL FOR A PORTABLE ROUTER FRAMEWORK
135598	135598-GB-EPA	EP1111850	00122501.0	EP1111850	GB	19-Mar-08	14-Oct-20	14-Oct-00	CONTROL DISTIRBUTION PROTOCOL FOR A PORTABLE ROUTER FRAMEWORK
135598	135598-US-NP	US6977924	09/469670		US	20-Dec-05	22-Dec-19	22-Dec-99	PORTABLE ROUTER FRAMEWORK - CONTROL AND DISTRIBUTION PROTOCOL
135601	135601-US-NP	US6567579	09/738223	20020076143	US	20-May-03	21-Feb-21	15-Dec-00	MULTI-CHANNEL, MULTI-MODE REDUNDANT OPTICAL LOCAL LOOP HAVING A BUS TOPOLOGY
135603	135603-DE-EPA	EP1111851	00127276.4	EP1111851	DE	8-Aug-07	19-Dec-20	19-Dec-00	VIRTUAL CHANNEL (VC) SCHEDULER SYSTEM AND SCHEDULING ALGORITHM
135603	135603-FR-EPA	EP1111851	00127276.4	EP1111851	FR	8-Aug-07	19-Dec-20	19-Dec-00	VIRTUAL CHANNEL (VC) SCHEDULER SYSTEM AND SCHEDULING ALGORITHM
135603	135603-GB-EPA	EP1111851	00127276.4	EP1111851	GB	8-Aug-07	19-Dec-20	19-Dec-00	VIRTUAL CHANNEL (VC) SCHEDULER SYSTEM AND SCHEDULING ALGORITHM
135603	135603-US-NP	US6430152	09/469584		US	6-Aug-02	22-Dec-19	22-Dec- <del>9</del> 9	VIRTUAL CHANNEL (VC) SCHEDULER SYSTEM AND SCHEDULING ALGORITHM
135609	135609-DE-EPA	EP1111858	00127943.9	EP1111858	DE	10-Oct-07	21-Dec-20	21-Dec-00	A WEIGHTED ROUND ROBIN ENGINE USED IN SCHEDULING THE DISTIRBUTION OF ATM CELLS
135609	135609-FR-EPA	EP1111858	00127943.9	EP1111858	FR	10-Oct-07	21-Dec-20	21-Dec-00	A WEIGHTED ROUND ROBIN ENGINE USED IN SCHEDULING THE DISTIRBUTION OF ATM CELLS
135609	135609-GB-EPA	EP1111858	00127943.9	EP1111858	GB	10-Oct-07	21-Dec-20	21-Dec-00	A WEIGHTED ROUND ROBIN ENGINE USED IN SCHEDULING THE DISTIRBUTION OF ATM CELLS
135609	135609-US-NP	US6434155	09/469583		US	13-Aug-02	22-Dec-19	22-Dec-99	Weighted Round Robin (WRR) Engine for VC Scheduler
135629	135629-US-NP	US6549513	09/416545		US	15-Apr-03	12-Oct-19	12-Oct-99	METHOD AND APPARATUS FOR FAST DISTRIBUTED RESTORATION OF A COMMUNICATION NETWORK
135643	135643-US-NP	US6404880	09/471632		US	11-Jun-02	24-Dec-19	24-Dec-99	METHOD AND APPARATUS FOR DELIVERING CRITICAL INFORMATION
135655	135655-US-NP	US6608844	09/391316		US	19-Aug-03	7-Sep-19	7-Sep-99	OC-3 DELIVERY UNIT; TIMING ARCHITECTURE TELECOMMUNICATIONS SYSTEM, SERVICE CONTROL
135660	135660-US-NP	US6519331	09/653938		US	11-Feb-03	28-Feb-21	1-Sep-00	POINT AND METHOD FOR PRE-SCREENING TELEPHONE CALLS TO HELP PREVENT TELEPHONE TOLL FRAUD
135661	135661-US-NP	US7130537	09/648019		US	31-Oct-06	4-Apr-21	25-Aug-00	SAFETY SHUTDOWN SYSTEM FOR A WDM FIBER OPTIC COMMUNICATIONS NETWORK
135676	135676-US-NP	US6826260	09/541411		US	30-Nov-04	31-Mar-20	31-Mar-00	METHOD AND APPARATUS FOR AN MLSC STATE MACHINE
135691	135691-US-NP	US6721896	09/539362		US	13-Apr-04	31-Mar-20	31-Mar-00	A SYSTEM AND METHOD FOR CONVERTING A SELECTED SIGNAL INTO A TIMING SIGNAL AND INSERTING THE PHASE OF THE TIMING SIGNAL INTO A FRAMED SIGNAL
135724	135724-US-NP	US6456088	09/753800	20020105336	US	24-Sep-02	3-Jan-21	3-Jan-01	1ST LEVEL POWER FAULT TESTING APPARATUS FOR TESTING TELECOMMUNICATIONS EQUIPMENT
135725	135725-DE-EPA	EP1223731	01130161.1	EP1223731	DE	3-Aug-05	19-Dec-21	19-Dec-01	Prüfeinrichtung für Leistungsfehler der zweiten Ebene zur Prüfung von Telekommunikationsvorrichtungen
135725	135725-FR-EPA	EP1223731	01130161.1	EP1223731	FR	3-Aug-05	19-Dec-21	19-Dec-01	2ND LEVEL POWER FAULT TESTING APPARATUS FOR TESTING TELECOMMUNICATIONS EQUIPMENT
135725	135725-GB-EPA	EP1223731	01130161.1	EP1223731	GB	3-Aug-05	19-Dec-21	19-Dec-01	2ND LEVEL POWER FAULT TESTING APPARATUS FOR TESTING TELECOMMUNICATIONS EQUIPMENT
135725	135725-IT-EPA	EP1223731	01130161.1	EP1223731	П	3-Aug-05	19-Dec-21	19-Dec-01	2ND LEVEL POWER FAULT TESTING APPARATUS FOR TESTING TELECOMMUNICATIONS EQUIPMENT
135725	135725-US-NP	US6519321	09/753885	20020106058	US	11-Feb-03	22-Jul-21	3-Jan-01	2ND LEVEL POWER FAULT TESTING APPARATUS FOR TESTING TELECOMMUNICATIONS EQUIPMENT
135731	135731-US-NP	US6915078	09/638941		US	5-Jul-05	27-Feb-22	15-Aug-00	OPTICAL FRAME FORMAT CONTEXT SWITCHING SYSTEM AND METHOD FOR
135758	135758-US-NP	US6934302	09/853388	20020167910	US	23-Aug-05	16-Jan-24	11-May-01	IMPLEMENTING A HIGH SPEED LINK (HSL) IN A NETWORK ELEMENT
135762	135762-US-NP	US6856982	09/795246		US	15-Feb-05	31-Jan-23	26-Feb-01	SYSTEM, INTELLIGENT NETWORK SERVICE ENGINE AND METHOD FOR DETECTING A FRAUDULENT CALL USING REAL TIME FRAUD MANAGMENT TOOLS
135773	135773-GB-EPA	EP1211825	01125202.0	EP1211825	GB	23-Jan-08	24-Oct-21	24-Oct-01	CONFIGURABLE SAFETY SHUTDOWN FOR AN OPTICAL AMPLIFIER USING NON-VOLATILE STORAGE
135773	135773-US-NP	US6473224	09/727565	20020101651	US	29-Oct-02	1-Dec-20	1-Dec-00	CONFIGURABLE SAFETY SHUTDOWN FOR AN OPTICAL AMPLIFIER USING NON-VOLATILE STORAGE
135806	135806-US-NP	US7209492	10/122461	20040008696	US	24-Apr-07	23-Mar-25	15-Apr-02	DSO TIMING SOURCE TRANSIENT COMPENSATION
135828	135828-US-NP	US6792608	09/797118		US	14-Sep-04	12-May-22	1-Mar-01	NETWORK NAVIGATOR INTERFACE SYSTEM AND METHOD
135831	135831-US-NP	US7079553	10/122506	20030193968	US	18-Jul-06	11-Jan-25	15-Apr-02	METHOD AND SYSTEM FOR EMBEDDING A FIRST CLOCK SIGNAL PHASE WITHIN A SECOND SIGNAL
135840	135840-US-NP	US7039011	10/003883		us	2-May-06	12-May-24	31-Oct-01	METHOD AND APPARATUS FOR FLOW CONTROL IN A PACKET SWITCH
135844	135844-US-NP	US6442032	09/928186		US	27-Aug-02	10-Aug-21		ETHERNET SWITCH MODULE AND SYSTEM
135852	135852-US-DIV	US6953889	10/195561	20040094317	US	11-Oct-05	4-Nov-23		ELECTRICAL SHIELD  CLOCK SYNCHRONIZATION SYSTEM AND METHOD
135859	135859-US-NP	US7136388	10/185561	20040001516	US	14-Nov-06	12-May-25	27-Jun-02	FOR USE IN A SCALABLE ACCESS NODE  CLOCK SYNCHRONIZATION SYSTEM AND METHOD
135859	135859-DE-EPA	EP1376915	03013583.4	EP1376915	DE	25-Mar-09	14-Jun-23	14-Jun-03	FOR USE IN A SCALABLE ACCESS NODE

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

1985   1985		CASE REFERENCE	GRANT NUMBER	application Number	PUBLICATION NUMBER	COUNTRY	rssue Date		APPLICATION DATE	HILE
1820   1820-1864   1820-1865	135859	135859-FR-EPA	EP1376915	03013583.4	EP1376915	FR	25-Mar-09	14-Jun-23	14-Jun-03	CLOCK SYNCHRONIZATION SYSTEM AND METHOD FOR USE IN A SCALABLE ACCESS NODE
1985   1985	135859	135859-GB-EPA	EP1376915	03013583.4	EP1376915	GB	25-Mar-09	14-Jun-23	14-Jun-03	CLOCK SYNCHRONIZATION SYSTEM AND METHOD FOR USE IN A SCALABLE ACCESS NODE
1987   1987	135862	135862-US-NP	US7197032	09/927190		US	27-Mar-07	13-Jan-25	10-Aug-01	SWITCH ARCHITECTURE USING MULTIPLE CROSSBARS
1921   1921	135887	135887-US-NP	US6769150	10/053469		US	3-Aug-04	21-Jun-22	7-Nov-01	
1899	135931	135931-US-NP	US7701863	10/317801	20040151117	US	20-Apr-10	30-Jul-26	12-Dec-02	DECENTRALIZED SLS MONITORING FOR THROUGHPUT IN A DIFFERENTIATED SERVICE
1974   1974   1974   1977   1974   1977   1974	135955	135955-US-NP	US7483379	10/147830	20030214913	US	27-Jan-09	3-Apr-25	17-May-02	PASSIVE NETWORK MONITORING SYSTEM METHOD AND SYSTEM FOR PROVIDING SOFTSWITCH
1997-1996-1996-1996   1997-1996-1996   1997-1996-1996   1997-1996-1996   1997-1996-1996   1997-1996-1996   1997-1996-1996   1997-1996-1996   1997-1996-1996-1996-1996-1996-1996-1996-	135956	135956-US-NP	US7023977	10/320247	20040114748	US	4-Apr-06	25-Aug-24	16-Dec-02	
1997   1997	135974	135974-DE-EPA	EP1432254	03027898.0	EP1432254	DE	30-Jun-10	5-Dec-23	5-Dec-03	METHOD, FOR PROVIDING LOCAL CALL HANDLING
1997   1997-4-6-PA	135974	135974-FR-EPA	EP1432254	03027898.0	EP1432254	FR	30-Jun-10	5-Dec-23	5-Dec-03	METHOD, FOR PROVIDING LOCAL CALL HANDLING
187974   1877-18-99   1978-88-96   1978-18-99   1978-18-9	135974	135974-GB-EPA	EP1432254	03027898.0	EP1432254	GB	30-Jun-10	5-Dec-23	5-Dec-03	METHOD, FOR PROVIDING LOCAL CALL HANDLING
13706 13708-0-W 05510511 000513515 00051351 0005	135974	135974-US-NP	US7388868	10/321230	20040114611	US	17-Jun-08	16-Feb-25	17-Dec-02	METHOD, FOR PROVIDING LOCAL CALL HANDLING
197096   197094-5-W   0.0001677   0.000167	137034	137034-US-NP	US6310911	09/021833		US	30-Oct-01	11-Feb-18	11-Feb-98	METHOD OF DETECTING SIGNAL DEGRADATION FAULT CONDITIONS WITHIN SONET & SDH SIGNALS
1774-64   1704-64-0-PCT	137039	137039-US-NP	US6075771	08/849450		US	13-Jun-00	27-Oct-17	27-Oct-97	
137066   137064-15-4P	137046	137046-US-PCT	US6442166	09/230037		US	27-Aug-02	17-Jul-17	17-Jul- <del>9</del> 7	Variation Fluctuation Smoothing (VFS) for ATM
137070   137070 US-Pup	137068	137068-US-NP	US6262999	09/057622		US	17-Jul-01	9-Apr-18	9-Apr-98	Generation of primary rate clocks from correction values derived from the received synchronous
17768	137070	137070-US-NP	US7145868	08/980258		US	5-Dec-06	28-Nov-17	28-Nov-97	CONGESTION MANAGEMENT IN A MULTI-PORT
17/099   17/099-US-NP	137098	137098-US-NP	US6335926	09/166551		US	1-Jan-02	5-Oct-18	5-Oct-98	Dynamic Configuration Of Edge Forwarders To Route
137703	137099	137099-US-NP	US7085277	09/165735		US	1-Aug-06	5-Oct-18	5-Oct-98	Service management of multiple independent
137107   137107-45-MP										MULTIPLE ENDPOINTS PATHS
137108   137108-US-NP										
137110										
137111							9-Apr-02	26-May-18		
137118										
13719	137118	137118-US-NP	US6108307	08/989687		us	22-Aug-00	12-Dec-17	12-Dec-97	classes
137123	137119	137119-US-NP	US6353618				5-Mar-02	4-Feb-19	4-Feb-99	SWITCHED NETWORK, METHOD AND APPARATUS
137127   137127-U-S-NP	137123	137123-US-NP	US6636510	09/320628		US	21-Oct-03	27-May-19	27-May-99	based switching fabric.
137148   137148-US-NP   US658579   09/200442   US   8-Ap-03   27-Nov-18   27	137127	137127-US-NP	US6519264	09/298788		US	11-Feb-03	26-Apr-19	26-Apr-99	network using history buffer.
137139   137139-US-NP   US6504819   09/160087   US   7-Jan-03   25-Sep-18   25-Sep-98   Casses of Service in an MPOA Network										digital communication devices.
137140   137140   US-330251   09/087428   US   11-Dec-01   30-May-18   30-May-98   Method and apparatus for data extraction from: stream   137141   137141-US-NP   US-627505   09/087840   US   14-Aug-01   30-May-18   30-May-98   Method and apparatus for data extraction from: stream   137142   137142-US-NP   US-6771655   09/087331   US   3-Aug-04   29-May-18   29-May-98   Method and apparatus for Managing Data   137143-US-NP   US-6185635   09/087890   US   6-Feb-01   30-May-18   30-May-98   Method and apparatus for Managing Data   137149   137149-US-NP   US-6185635   09/087890   US   26-Nov-02   2-Mar-19   2-Mar-99   Method and apparatus for Managing Data   137152   137152-US-NP   US-6618378   09/358390   US   26-Nov-02   2-Mar-19   2-Mar-99   Method and Device for Recognizing Tones And Sequences Thereof   137154   137154-US-CIP   US-6438100   09/368752   US   20-Aug-02   5-Aug-19   5-Aug-99   Method and apparatus for supporting multiple of service connections in a communications network   137164   137164-US-NP   US-621825   09/474415   US   16-Sep-03   29-Dec-19   29-Dec-99   Method and apparatus for routing server redune   137166   137166-US-NP   US-6621825   09/474415   US   16-Sep-03   29-Dec-19   29-Dec-99   Method and apparatus for Recognizing Tones And   Multi-TASK PROCESSING APPLICATION   137168   137168-US-NP   US-6621825   09/474415   US   16-Sep-03   29-Dec-19   29-Dec-99   Method and apparatus for PR CONNECTION   137168   137168-US-NP   US-6621825   09/474415   US   11-Feb-03   8-Feb-99   Method and apparatus for prioritized release of connections in a communication servery   137179   137179-US-NP   US-75097   US   3-Apr-07   24-Mar-19   24-Mar-19   24-Mar-99   Method and apparatus for prioritized release of connections in a communication servery   137179   137179-US-NP   US-75097   US   3-Apr-07   24-Mar-19   24-Mar-19   24-Mar-99   Method and apparatus for prioritized release of connections in a communication servery   137179   137179-US-NP   US-75097   US   3-Apr-07   24-Mar-19   24-Mar-19   24-M										
137141   137141-US-NP										Method and apparatus for data extraction from a bit
137142   137142-US-NP	137141	137141-US-NP	US6275505	09/087840		US	14-Aug-01	30-May-18	30-May-98	METHOD AND APPARATUS FOR PACKETIZING DATA
137143   137143-US-NP	137142	137142-US-NP	US6771655	09/087331		US	3-Aug-04	29-May-18	29-May-98	Method and Apparatus For Managing Data
137152	137143	137143-US-NP	US6185635	09/087890		US	6-Feb-01	30-May-18	30-May-98	Method and circuit for transporting data based on the content of ingress data words and egress data
137152	137149	137149-US-NP	US6486975	09/260047		US	26-Nov-02	2-Mar-19	2-Mar-99	
137154 137154-US-UP US643810U US/368732 US 20-Aug-02 5-Aug-19 5-Aug-19 in a network having carrier scale internetworking transfer of the control of the cont	137152	137152-US-NP	U56618378	09/358390		US	9-Sep-03	21-Jul-19	21-Jul-99	Method and apparatus for supporting multiple class of service connections in a communications network.
137164 137164-US-NP US621813 US/199137 US 8-MAY-U1 23-NOV-18 23-NOV-18 MULTI-TASK PROCESSING APPLICATION  137166 137166-US-NP US6621825 09/474415 US 16-Sep-03 29-Dec-19 29-Dec-99 METHOD AND APPARATUS FOR PER CONNECTIO QUEUING OF MULTICAST TRANSMISSIONS  137168 137168-US-NP US6510158 09/303352 US 21-Jan-03 30-Apr-19 30-Apr-99 Method and apparatus combining a plurality of virtual circuit, into a combined virtual circuit.  137172 137172-US-NP US6519695 09/246634 US 11-Feb-03 8-Feb-19 8-Feb-99 Explicit Rate Computational Engine  137179 137179-US-NP US7200110 09/275097 US 3-Apr-07 24-Mar-19 24-Mar-99 Method and apparatus for prioritized release of connections in a communications network.	137154	137154-US-CIP	US6438100	09/368752		US	20-Aug-02	5-Aug-19	5-Aug-99	Method and apparatus for routing server redundancy in a network having carrier scale internetworking
137166   137166-US-NP	137164	137164-US-NP	US6229813	09/199157		US	8-May-01	25-Nov-18	25-Nov-98	POINTER SYSTEM FOR QUEUE SIZE CONTROL IN A MULTI-TASK PROCESSING APPLICATION
137168         137168-US-NP         USS510158         US/30332         US         21-Jan-U3         30-Apr-19         30-Apr-99 virtual circuits into a combined virtual circuit.           137172         137172-US-NP         USS519695         09/246634         US         11-feb-03         8-feb-19         8-feb-99         8-feb-99         8-feb-99         8-feb-99         8-feb-99         8-feb-99         8-feb-99         8-feb-99         Method and apparatus for prioritizer release of connections in a communications neutronized in a communication sentence.	137166	137166-US-NP	US6621825	09/474415		US	16-Sep-03	29-Dec-19	29-Dec-99	METHOD AND APPARATUS FOR PER CONNECTION
137179 US7200110 09/275097 US 3-Apr-07 24-Mar-19 24-Mar-99 Method and apparatus for prioritized release of connections in a communications network.	137168	137168-US-NP	US6510158	09/303352		US	21-Jan-03	30-Apr-19	30-Apr-99	
13/1/9 13/1/9 03/200110 03/2/3007 03 3-Api-0/ 24-Mai-19 24-Mai-9 connections in a communications network.										
										connections in a communications network.  Virtual path aggregation
137185 137185-US-NP US7562129 09/292365 US 14-Jul-09 15-Apr-19 15-Apr-99 Subscription management system for data communication network	137185	137185-US-NP	US7562129	09/292365		US	14-Jul-09	15-Apr-19	15-Apr-99	

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FAMSLY	Case Reference	GHANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE	EXPIRATION DATE	APPLICATION	HTLE
137190	137190-US-NP	US6421722	09/303372		US	16-Jul-02	30-Apr-19	30-Apr-99	METHOD AND APPARATUS FOR PROVIDING INTERNETWORKING SERVICE RELIABILITY
137194	137194-US-NP	US6560242	09/293296		US	6-May-03	16-Apr-19	16-Apr-99	Method and apparatus for connection formal conversion in a communications network
137201	137201-US-NP	US6529474	09/360648		US	4-Mar-03	26-Jul-19	26-Jul-99	Shaping Algorithm
137202	137202-DE-EPA	EP1115224	00121390.9	EP1115224	DE	14-Jun-06	12-Oct-20	12-Oct-00	METHOD AND APPARATUS FOR DATA DRIVEN NETWORK MANAGEMENT
137202	137202-FR-EPA	EP1115224	00121390.9	EP1115224	FR	14-Jun-06	12-Oct-20	12-Oct-00	METHOD AND APPARATUS FOR DATA DRIVEN NETWORK MANAGEMENT
137202	137202-GB-EPA	EP1115224	00121390.9	EP1115224	GB	14-Jun-06	12-Oct-20	12-Oct-00	METHOD AND APPARATUS FOR DATA DRIVEN NETWORK MANAGEMENT
137202	137202-IT-EPA	EP1115224	00121390.9	EP1115224	П	14-Jun-06	12-Oct-20	12-Oct-00	METHOD AND APPARATUS FOR DATA DRIVEN NETWORK MANAGEMENT
137202	137202-US-NP	US7346008	09/418647		US	18-Mar-08	15-Oct-19	15-Oct-99	Method and apparatus for data driven network management.
137206	137206-US-CNT	US6823432	10/156152	20030051108	US	23-Nov-04	28-May-22	28-May-02	Method and apparatus for load distribution across memory banks with constrained access
137206	137206-US-NP	US6415366	09/324207		US	2-Jul-02	2-Jun-19	2-Jun-99	Method and apparatus for load distribution across memory banks with constrained access.
137207	137207-US-NP	US6539024	09/277361		US	25-Mar-03	26-Mar-19	26-Mar-99	Method and apparatus for data buffer management in a communications switch
137208	137208-US-NP	US6487210	09/275677		US	26-Nov-02	24-Mar-19	24-Mar-99	Method and apparatus for high bandwidth multi- source interconnection using point-to-point buses.
137221	137221-US-NP	US7068661	09/352562		US	27-Jun-06	13-Jul-19	13-Jul-99	Method and apparatus for providing control information in a system using distributed communication routing.
137225	137225-US-DIV	US7463650	11/269251	20060050738	US	9-Dec-08	7-Jun-27	7-Nov-05	Method And Apparatus For Segmentation And Reassembly Of Data Packets In A Communication Switch.
137225	137225-US-NP	US6963572	09/426791		US	8-Nov-05	22-Oct-19	22-Oct-99	Method and apparatus for segmentation and reassembly of data packets in a communication switch.
137226	137226-US-NP	US6785228	09/343179		US	31-Aug-04	30-Jun-19	30-Jun-99	Subscriber permissions and restrictions for switched connections in a communications network
137242	137242-US-NP	US7664115	09/495207		US	16-Feb-10	31-Jan-20	31-Jan-00	Method and apparatus for merging virtual connections
137245	137245-DE-EPA	EP1113714	00128113.8	EP1113714	DE	23-Jan-08	21-Dec-20	21-Dec-00	Electronic circuit pack and shelf and electronic circuit pack combinations
137245	137245-FR-EPA	EP1113714	00128113.8	EP1113714	FR	23-Jan-08	21-Dec-20	21-Dec-00	Electronic circuit pack and shelf and electronic circuit pack combinations
137245	137245-GB-EPA	EP1113714	00128113.8	EP1113714	GB	23-Jan-08	21-Dec-20	21-Dec-00	Electronic circuit pack and shelf and electronic circuit pack combinations
137245	137245-US-NP	US6370035	09/472909		US	9-Apr-02	27-Dec-19	27-Dec-99	ELECTRONIC CIRCUIT PACK AND SHEL AND ELECTRONIC CIRCUIT PACK COMBINATIONS
137246	137246-US-NP	US6661778	09/524201		US	9-Dec-03	13-Mar-20	13-Mar-00	METHOD AND APPARATUS FOR STATISTICS COLLECTION IN A DATA COMMUNICATION NETWORK
137276	137276-US-DIV	US8201015	12/283048	20090119535	US	12-Jun-12	20-Aug-21	9-Sep-08	Control Card Circuit And Method For Selecting A Synchronization Source Among A Plurality Of Line Card Circuits
137276	137276-US-NP	US7424636	09/636115		US	9-Sep-08	1-Dec-24		Method and Apparatus For Managing Network Synchronization Information Among Multiple Line Cards
137281	137281-US-CNT	US6462951	09/859591		US	8-Oct-02	7-Apr-20	18-May-01	Securing heat sinks to electronic components.  Trellis decoding with multiple symbol noncoherent
137327	137327-US-NP	US6034997	08/985302		US	7-Mar-00	4-Dec-17	4-Dec-97	detection and interleaving to combat frequency offset
137329	137329-DE-EPT	EP1040590	98965380.3		DE	11-May-05	10-Dec-18	10-Dec-98	Increased Capacity In An OCDMA System for Frequency Isolation
137329	137329-FR-EPT	EP1040590	98965380.3		FR	11-May-05	10-Dec-18	10-Dec-98	Increased Capacity In An OCDMA System For Frequency Isolation
137329	137329-GB-EPT	EP1040590	98965380.3		GB	11-May-05	10-Dec-18	10-Dec-98	Increased Capacity In An OCDMA System for Frequency Isolation
137329	137329-US-NP	US6317412	08/989466		US	13-Nov-01	12-Dec-17	12-Dec- <del>9</del> 7	INCREASED CAPACITY IN AN OCDMA SYSTEM FOR FREQUENCY ISOLATION
137330	137330-JP-PCT	JP4361682	2000535113	2002506320	JP	21-Aug-09	1-Mar-19	1-Mar-99	APPARATUS FOR INCORPORATING MULTIPLE DATA RATES IN AN ORTHOGONAL DIRECT SEQUENCE CODE DIVISION MULTIPLE ACCESS (ODS-CDMA)
137330	137330-US-NP	US6563808	09/250845		US	13-May-03	17-Feb-19	17-Feb-99	COMMUNICATIONS SYSTEM  APPARATUS FOR INCORPORATING MULTIPLE DATA RATES IN AN ORTHOGONAL DIRECT SEQUENCE CODE DIVISION MULTIPLE ACCESS (ODS-CDMA) COMMUNICATIONS SYSTEM
137332	137332-US-NP	US6339624	09/134469		US	15-Jan-02	14-Aug-18	14-Aug-98	Trellis decoding with multiple symbol noncoherent detection and diversity combining
137343	137343-US-NP	US6504094	09/765417	20020046862	us	7-Jan-03	22-Jan-21	22-Jan-01	MOUNTING APPARATUS FOR EQUIPMENT ENCLOSURES HAVING CABLE BEND RADIUS CONTROL AND CHANNEL FOR RETAINING CABLE
137346	137346-US-NP	US7787458	09/998504	20030103503	US	31-Aug-10	3-Oct-28	30-Nov-01	METHOD AND APPARATUS FOR COMMUNICATING DATA PACKETS ACCORDING TO CLASSES OF SERVICE
137355	137355-US-NP	US7596789	10/334204	20030182352	US	29-Sep-09	17-Oct-27	30-Dec-02	METHOD AND APPARATUS FOR SCHEDULING AND SERVICING EVENTS USING A CALENDAR STRUCTURE
137359	137359-US-NP	US6419499	09/629404		us	16-Jul-02	1-Aug-20	1-Aug-00	APPARATUS FOR ELECTRICALLY INTERCONNECTING ELECTRONIC CIRCUIT SUBSTRATES
137385	137385-CN-NP	ZL02147156.8	02147156.8	1426253	CN	7-Jan-09	24-Oct-22	24-Oct-02	SYSTEM AND METHOD FOR PROVIDING PERFORMANCE DATA FOR A COMMUNICATION NETWORK
137385	137385-DE-EPA	EP1322098	02293032.5	EP1322098	DE	14-Dec-05	6-Dec-22	6-Dec-02	NETWORK
137385	137385-FR-EPA	EP1322098	02293032.5	EP1322098	FR	14-Dec-05	6-Dec-22	6-Dec-02	SYSTEM AND METHOD FOR PROVIDING PERFORMANCE DATA FOR A COMMUNICATION NETWORK

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FAMILY	CASE REFERENCE	GHANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE		APPLICATION DATE	TITLE
137385	137385-GB-EPA	EP1322098	02293032.5	EP1322098	GB	14-Dec-05	6-Dec-22	6-Dec-02	SYSTEM AND METHOD FOR PROVIDING PERFORMANCE DATA FOR A COMMUNICATION NETWORK
137385	137385-IT-EPA	EP1322098	02293032.5	EP1322098	п	14-Dec-05	6-Dec-22	6-Dec-02	PERFORMANCE DATA FOR A COMMUNICATION NETWORK
137385	137385-US-NP	US7426573	10/012428	20030110408	US	16-Sep-08	14-Aug-25	12-Dec-01	SYSTEM AND METHOD FOR PROVIDING SERVICE AVAILABILITY DATA FOR A COMMUNICATION NETWORK
137457	137457-DE-EPA	EP1322066	02293097.8	EP1322066	DE	20-Dec-06			Command Line Inteface Processor
137457 137457	137457-FR-EPA 137457-GB-EPA	EP1322066 EP1322066	02293097.8 02293097.8	EP1322066 EP1322066	FR GB	20-Dec-06 20-Dec-06			Command Line Inteface Processor Command Line Inteface Processor
137457	137457-IT-EPA	EP1322066	02293097.8	EP1322066	IT	20-Dec-06	13-Dec-22	13-Dec-02	Command Line Inteface Processor
137457	137457-US-NP 137462-DE-EPA	US7113989 EP1294146	10/115900 02292215.7	20030115304 EP1294146	US DE	26-Sep-06 2-Nov-11	11-Aug-24 10-Sep-22	5-Apr-02 10-Sep-02	Command Line Interface Processor Intelligent Routing for Effective Utilization of
137462	137462-FR-EPA	EP1294146	02292215.7	EP1294146	FR	2-Nov-11	10-Sep-22	10-Sep-02	Network Signaling Resources Intelligent Routing for Effective Utilization of
137462	137462-GB-EPA	EP1294146	02292215.7	EP1294146	GB	2-Nov-11	10-Sep-22	10-Sep-02	Network Signaling Resources Intelligent Routing for Effective Utilization of
137462	137462-JP-NP	JP4066416	2002243214		JP	18-Jan-08	23-Aug-22	23-Aug-02	Network Signaling Resources Intelligent Routing for Effective Utilization of
137462	137462-US-NP	US7957274	10/207844	20030053415	US	7-Jun-11	26-Apr-26	31-Jul-02	Network Signaling Resources Intelligent Routing for Effective Utilization of Network Signaling Resources
137474	137474-DE-EPA	EP1322079	02293095.2	EP1322079	DE	21-Nov-12	13-Dec-22	13-Dec-02	System And Method For Providing Gaps Between Data Elements At Ingress To A Network Element
137474	137474-FR-EPA	EP1322079	02293095.2	EP1322079	FR	21-Nov-12	13-Dec-22	13-Dec-02	System And Method For Providing Gaps Between Data Elements At Ingress To A Network Element
137474	137474-GB-EPA	EP1322079	02293095.2	EP1322079	GB	21-Nov-12	13-Dec-22	13-Dec-02	System And Method For Providing Gaps Between Data Elements At Ingress To A Network Element
137474	137474-US-NP	US7525913	10/195492	20030112757	US	28-Apr-09	4-Jan-25	16-Jul-02	System And Method For Providing Gaps Between Data Elements At Ingress To A Network Element
137487	137487-DE-EPA	EP1322069	02293125.7	EP1322069	DE	16-Nov-05	17-Dec-22	17-Dec-02	METHOD AND APPARATUS FOR AUTOMATIC DISCOVERY OF NETWORK DEVICES WITH DATA FORWARDING CAPABILITIES
137487	137487-FR-EPA	EP1322069	02293125.7	EP1322069	FR	16-Nov-05	17-Dec-22	17-Dec-02	METHOD AND APPARATUS FOR AUTOMATIC DISCOVERY OF NETWORK DEVICES WITH DATA FORWARDING CAPABILITIES
137487	137487-GB-EPA	EP1322069	02293125.7	EP1322069	GB	16-Nov-05	17-Dec-22	17-Dec-02	METHOD AND APPARATUS FOR AUTOMATIC DISCOVERY OF NETWORK DEVICES WITH DATA FORWARDING CAPABILITIES
137487	137487-IT-EPA	EP1322069	02293125.7	EP1322069	п	16-Nov-05	17-Dec-22	17-Dec-02	METHOD AND APPARATUS FOR AUTOMATIC DISCOVERY OF NETWORK DEVICES WITH DATA FORWARDING CAPABILITIES
137487	137487-US-NP	US7515546	10/029124	20030112765	US	7-Apr-09		19-Dec-01	Method And Apparatus For Automatic Discovery Of Network Devices With Data Forwarding Capabilities
137489 137489	137489-DE-EPA 137489-FR-EPA	EP1326372 EP1326372	02293090.3 02293090.3	EP1326372 EP1326372	DE FR	27-Feb-13 27-Feb-13	13-Dec-22 13-Dec-22	13-Dec-02	Method And System For IP Link Management Method And System For IP Link Management
137489	137489-GB-EPA	EP1326372	02293090.3	EP1326372	GB	27-Feb-13			Method And System For IP Link Management
137489	137489-US-NP	US7856599	10/027821	20030137532	US	21-Dec-10	31-May-24	19-Dec-01	Method And System For IP Link Management
137491	137491-US-NP	US7254112	10/294630	20030137936	US	7-Aug-07		15-Nov-02	SYSTEM AND METHOD FOR REASSEMBLING PACKETS IN A NETWORK ELEMENT
137496	137496-US-NP	US7342881	10/465233	20040257991	US	11-Mar-08	30-Mar-26	20-Jun-03	Backpressure History Mechanism In Flow Control  METHOD AND APPARATUS FOR FACILITATING
137511	137511-DE-EPA	EP1331772	03290185.2	EP1331772	DE	29-Mar-06	23-Jan-23	23-Jan-03	ROUTING PROTOCOL REDUNDANCY IN A NETWORK ELEMENT METHOD AND APPARATUS FOR FACILITATING
137511	137511-FR-EPA	EP1331772	03290185.2	EP1331772	FR	29-Mar-06	23-Jan-23		ROUTING PROTOCOL REDUNDANCY IN A NETWORK ELEMENT METHOD AND APPARATUS FOR FACILITATING
137511	137511-GB-EPA	EP1331772	03290185.2	EP1331772	GB	29-Mar-06	23-Jan-23	23-Jan-03	ROUTING PROTOCOL REDUNDANCY IN A NETWORK ELEMENT METHOD AND APPARATUS FOR FACILITATING
137511	137511-IT-EPA	EP1331772	03290185.2	EP1331772	п	29-Mar-06	23-Jan-23	23-Jan-03	ROUTING PROTOCOL REDUNDANCY IN A NETWORK ELEMENT
137511	137511-US-NP	US8769154	10/350817	20030140166	US	1-Jul-14	2-Aug-25	24-Jan-03	Method And Apparatus For Facilitating Routing Protocol Redundancy In A Network Element
137513	137513-CN-NP	ZL03136787.9	03136787.9	1462138A	CN	28-Apr-10	24-Jan-23	24-Jan-03	METHOD AND APPARATUS FOR SYNCHRONIZING REDUNDANT COMMUNICATION TASKS
137513	137513-DE-EPA	EP1331771	03290183.2	EP1331771	DE	17-Jan-07	23-Jan-23	23-Jan-03	METHOD AND APPARATUS FOR SYNCHRONIZING REDUNDANT COMMUNICATION TASKS
137513	137513-FR-EPA	EP1331771	03290183.2	EP1331771	FR	17-Jan-07	23-Jan-23	23-Jan-03	METHOD AND APPARATUS FOR SYNCHRONIZING REDUNDANT COMMUNICATION TASKS
137513	137513-GB-EPA	EP1331771	03290183.2	EP1331771	GB	17-Jan-07	23-Jan-23	23-Jan-03	METHOD AND APPARATUS FOR SYNCHRONIZING REDUNDANT COMMUNICATION TASKS
137513	137513-П-ЕРА	EP1331771	03290183.2	EP1331771	п	17-Jan-07		23-Jan-03	METHOD AND APPARATUS FOR SYNCHRONIZING REDUNDANT COMMUNICATION TASKS Method And Apparatus For Synchronizing Redundant
137513	137513-US-NP	US8005980	10/350818	20030140167	US	23-Aug-11	10-Aug-26	24-Jan-03	Communication Tasks
137515	137515-DE-EPA	EP1517494	04300608.9	EP1517494	DE	10-Jun-09	17-Sep-24	17-Sep-04	Providing Protection Switching Via Failure Prediction
137515	137515-FR-EPA	EP1517494	04300608.9	EP1517494	FR	10-Jun-09	17-Sep-24	17-Sep-04	Providing Protection Switching Via Failure Prediction
137515	137515-GB-EPA	EP1517494	04300608.9	EP1517494	GB	10-Jun-09	17-Sep-24	17-Sep-04	Providing Protection Switching Via Failure Prediction
137515	137515-US-NP	US8392755	10/667722	20050066221	US	5-Mar-13	9-Mar-24	22-Sep-03	Providing Protection Switching Via Failure Prediction
137523	137523-US-NP	US6678156	10/200249		us	13-Jan-04	23-Jul-22	23-Jul-02	Air-Cooled Electronic Equipment Enclosed In A
13.JEJ	137323-03-NF	2300,0130	10/200243		33	13-74N-U4	23-Jul-22	23-Jul-02	Secure Cabinet

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	CASE	GRANT		PUBLICATION	COUNTRY			APPLICATION	TITLE
FAMILY 137534	REFERENCE 137534-US-NP	NUMBER US7234000	NUMBER 10/302914	20030154301	US	19-Jun-07	18-Feb-25	<b>DATE</b> 25-Nov-02	SYSTEM AND METHOD OF DOWNLOADING DATA FOR
137538	137538-US-NP	US7742459	10/350423	20030137974	US	22-Jun-10	29-Nov-28	24-Jan-03	A COMMUNICATION SWITCH Method For Distributing Aggregate Route
137549	137549-US-CNT	US7146451	11/181843		US	5-Dec-06	15-Jul-25		Information PCI Bridge and Data Transfer Methods
137558	137558-US-NP	US9332037	10/397959	20040042485	US	3-May-16	29-Jan-28	26-Mar-03	Method And Apparatus For Redundant Signaling Links
137570	137570-DE-EPA	EP1398920	03300091.0	EP1398920	DE	18-Mar-15	19-Aug-23	19-Aug-03	Stackable Virtual Local Area Network Provisioning In Bridged Networks
137570	137570-FR-EPA	EP1398920	03300091.0	EP1398920	FR	18-Mar-15	19-Aug-23	19-Aug-03	Stackable Virtual Local Area Network Provisioning In
137570	137570-GB-EPA	EP1398920	03300091.0	EP1398920	GB	18-Mar-15	19-Aug-23	19-Aug-03	Bridged Networks Stackable Virtual Local Area Network Provisioning In
			10/227863						Bridged Networks Stackable Virtual Local Area Network Provisioning In
137570 137597	137570-US-NP 137597-US-NP	US7453888 US7636307	10/22/863	20040042454	US	18-Nov-08 22-Dec-09	3-Feb-25 7-Jun-28	27-Aug-02 13-Mar-03	Bridged Networks Random Early Packet Discard (RED)
									Software Configurable Cluster-Based Router Using
137603	137603-US-NP	US7436775	10/625667	20050018665	US	14-Oct-08	6-Jan-26	24-Jul-03	Stock Personal Computers as Cluster Nodes
137603	137603-DE-EPA	EP1501247	04300407.6	EP1501247	DE	7-May-08	29-Jun-24	29-Jun-04	Software Configurable Cluster-Based Router Using Stock Personal Computers as Cluster Nodes
137603	137603-FR-EPA	EP1501247	04300407.6	EP1501247	FR	7-May-08	29-Jun-24	29-Jun-04	Software Configurable Cluster-Based Router Using Stock Personal Computers as Cluster Nodes
137603	137603-GB-EPA	EP1501247	04300407.6	EP1501247	GB	7-May-08	29-Jun-24	29-Jun-04	Software Configurable Cluster-Based Router Using Stock Personal Computers as Cluster Nodes
137616	137616-US-NP	US7420983	10/386702		US	2-Sep-08	19-Jun-26		Dynamic Assignment of Re-Assembly Queues Dynamic Soft Permanent Virtual Circuit Bulk
137630	137630-US-NP	US6778504	10/318035	20040114580	US	17-Aug-04	13-Dec-22	13-Dec-02	Connection Tracing
137684	137684-US-NP	US7324451	10/696033	20050094668	us	29-Jan-08	31-Jan-26	30-Oct-03	Aggregated Early Message Discard For Segmented Message Traffic in a Communications Network
137688	137688-US-NP	US7209530	10/670304		US	24-Apr-07	13-Oct-25	· ·	Multi-Shelf System Clock Synchronization  Network Service Level Agreement Arrival-Curve-
137689 137692	137689-US-NP 137692-US-CIP	US7680922 US7619966	10/696034	20050097206 20040174887	US	16-Mar-10 17-Nov-09	29-Oct-27 1-Jun-27	30-Oct-03	Based Conformance Checking Hybrid Virtual Private LAN Extensions
137710	137710-DE-EPA	EP1542412	04300868.9	EP1542412	DE	13-Jun-12	9-Dec-24	9-Dec-04	Providing Emulated VPLS-Services Over Native ATM
137710	137710-FR-EPA	EP1542412	04300868.9	EP1542412	FR	13-Jun-12	9-Dec-24	9-Dec-04	Networks Providing Emulated VPLS-Services Over Native ATM
									Networks Providing Emulated VPLS-Services Over Native ATM
137710	137710-GB-EPA	EP1542412	04300868.9	EP1542412	GB	13-Jun-12	9-Dec-24	9-Dec-04	Networks Providing VPLS-Like Service Over Native ATM
137710 137725	137710-US-NP	US7733869	10/731091 10/715425	20050129024	US	8-Jun-10	27-Mar-27	10-Dec-03	Networks
137728	137725-US-NP 137728-US-NP	US8732332 US7020032	10/713423	20050108428	US	20-May-14 28-Mar-06	19-Nov-23 27-May-24	29-Mar-04	Content Switching With User-Defined Policies Redundant Memory Architecture With
137744	137744-US-NP	U57483998	10/712104	20050108425	US	27-Jan-09	29-Mar-26	14-Nov-03	Defragmentation Capability Software Configurable Cluster-Based Router Using
137748	137748-CN-DIV	ZL201110234042 .8	201110234042.8	CN102281198A	CN	15-Jul-15	5-Aug-25	16-Aug-11	Heterogeneous Nodes As Cluster Nodes  Forwarding Of Network Traffic In Respect Of Differentiated Restricted Transit Network Nodes
137748	137748-CN-NP	ZL200510089187 .8	200510089187.8	CN1735066	CN	19-Oct-11	5-Aug-25	5-Aug-05	Forwarding Of Network Traffic In Respect Of Differentiated Restricted Transit Network Nodes
137748	137748-DE-EPT	EP1779616	05825756.9	EP1779616	DE	29-Jun-11	8-Aug-25	8-Aug-05	Forwarding Of Network Traffic In Respect Of Differentiated Restricted Transit Network Nodes
137748	137748-ES-EPT	EP1779616	05825756.9	EP1779616	ES	29-Jun-11	8-Aug-25	8-Aug-05	Forwarding Of Network Traffic In Respect Of Differentiated Restricted Transit Network Nodes
137748	137748-FR-EPT	EP1779616	05825756.9	EP1779616	FR	29-Jun-11	8-Aug-25	8-Aug-05	Forwarding Of Network Traffic In Respect Of Differentiated Restricted Transit Network Nodes
137748	137748-GB-EPT	EP1779616	05825756.9	EP1779616	GB	29-Jun-11	8-Aug-25	8-Aug-05	Forwarding Of Network Traffic In Respect Of Differentiated Restricted Transit Network Nodes
137748	137748-IN-PCT	IN258507	864/DELNP/2007		IN	16-Jan-14	8-Aug-25	8-Aug-05	Forwarding Of Network Traffic In Respect Of Differentiated Restricted Transit Network Nodes
137748	137748-IT-EPT	EP1779616	05825756.9	EP1779616	п	29-Jun-11	8-Aug-25	8-Aug-05	Forwarding Of Network Traffic In Respect Of Differentiated Restricted Transit Network Nodes
137748	137748-MX-PCT	MX273432	MX/a/2007/00142 5		мх	18-Jan-10	8-Aug-25	8-Aug-05	Forwarding Of Network Traffic In Respect Of Differentiated Restricted Transit Network Nodes
137748	137748-RU-PCT	RU2358399	2007108546		RU	10-Jun-09	8-Aug-25	8-Aug-05	Forwarding Of Network Traffic In Respect Of Differentiated Restricted Transit Network Nodes
137748	137748-US-NP	US7729261	10/914170		US	1-Jun-10	18-Jun-27	10-Aug-04	Forwarding Of Network Traffic In Respect Of Differentiated Restricted Transit Network Nodes
137760 137773	137760-US-NP 137773-US-NP	US7756998 US7835397	10/775214 10/831719	20040213284	US US	13-Jul-10 16-Nov-10	17-Aug-27 19-Mar-28		Frame Processing
137777 137783	137777-US-NP 137783-US-NP	US8848587 US7352699	10/831245 10/740720		US US	30-Sep-14 1-Apr-08	20-Nov-29 4-Jan-24		Multicasting Network Packets Switch Fabric Access Scheduler
137784	137784-US-NP	US7095713	10/831711		US	22-Aug-06	23-Apr-24	23-Apr-04	Network Fabric Access Device With Multiple System Side Interfaces
137784	137784-DE-EPD	EP1835673	07110361.8	EP1835673	DE	15-Jun-11	15-Jun-27	15-Jun-07	Network Fabric Access Device With Multiple System
137784	137784-FR-EPD	EP1835673	07110361.8	EP1835673	FR	15-Jun-11	15-Jun-27	15-Jun-07	Side Interfaces Network Fabric Access Device With Multiple System
137784	137784-GB-EPD	EP1835673	07110361.8	EP1835673	GB	15-Jun-11	15-Jun-27	15-Jun-07	Side Interfaces Network Fabric Access Device With Multiple System Side Interfaces
137797	137797-US-NP	US8098649	10/833489	20050013295	US	17-Jan-12	19-Sep-28	27-Apr-04	Using Network Transport Tunnels To Provide Service-
					_		EU		Based Data Transport

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	application Number	PUBLICATION NUMBER	COUNTRY	F55UE DATE	EXPERATION DATE	APPLICATION DATE	HILE
137799	137799-US-NP	US7716366	10/833748	20040215821	US	11-May-10	2-Apr-27	27-Apr-04	Enhancement Of VRRP Interface And Router Selection Where An Non-Owner Router is Configured To Respond To Control And Management Messages Addressed To An Address Associated With The Virtual Redundant Router
	137800-US-NP	US7508774	10/833822	20040252634	US	24-Mar-09			Extensions To The Spanning Tree Protocol
	137823-US-NP	US8190731	10/866812	20050276275	US	29-May-12			Network Statistics Processing Device
137823	137823-DE-EPT	EP1774704	05782509.3	EP1774704	DE	16-Dec-09	15-Jun-25	15-Jun-05	Improved Network Statistics Processing Device
137823	137823-FR-EPT	EP1774704	05782509.3	EP1774704	FR	16-Dec-09			Improved Network Statistics Processing Device
137823	137823-GB-EPT	EP1774704	05782509.3	EP1774704	GB	16-Dec-09			Improved Network Statistics Processing Device
137829	137829-US-NP	US7423974	10/837225	20050243839	US	9-Sep-08	2-Oct-26	30-Apr-04	Disabling Mutually Recursive Routes
137850	137850-US-NP	US7436782	10/808365	20050210649	us	14-Oct-08	20-Jul-26	25-Mar-04	Full Mesh LSP and Full Mesh T-LDP Provisioning Between Provider Edge Routers In Support of Layer-2 and Layer-3 Virtual Private Network Services
137856	137856-US-NP	US7590072	10/798412	20050201299	US	15-Sep-09	2-May-27	12-Mar-04	Interworking Network Maps Of Network Management and Element Management Systems
137866	137866-US-NP	US8204973	10/903445	20050262232	US	19-Jun-12	20-Sep-27	30-Jul-04	Architecture For Configuration And Management Of Cross-Domain Network Services
137872	137872-US-NP	US7428663	10/857826	20050278147	US	23-Sep-08	30-Dec-25	1-Jun-04	Electronic Device Diagnostic Methods and Systems
137884	137884-US-NP	US8379509	11/117788	20050243712	US	19-Feb-13	8-Sep-30	29-Apr-05	Electronic Device Protection Systems And Methods
137887	137887-US-NP	US7489642	10/834129	20050243731	US	10-Feb-09	23-Apr-26	29-Apr-04	
137895	137895-US-NP	US7742497	10/861519	20050271076	US	22-Jun-10	22-Apr-29	4-Jun-04	Access Systems And Methods For A Shared Communication Medium
	137895-DE-EPA	EP1603283	05300441.2	EP1603283	DE	1-Sep-10		1-Jun-05	Access To A Shared Communication Medium
137895 137895	137895-FR-EPA 137895-GB-EPA	EP1603283 EP1603283	05300441.2 05300441.2	EP1603283 EP1603283	FR GB	1-Sep-10 1-Sep-10	1-Jun-25 1-Jun-25	1-Jun-05 1-Jun-05	Access To A Shared Communication Medium Access To A Shared Communication Medium
137899	137899-CN-NP	ZL200510102416	200510102416.5	1747503	CN	14-Dec-11	6-Sep-25	6-Sep-05	
	137899-DE-EPA	.5 EP1633119	05300720.9	EP1633119	DE	11-Nov-09	· ·		Lawful Intercept of Traffic Connections
137899	137899-FR-EPA	EP1633119	05300720.9	EP1633119	FR	11-Nov-09			Lawful Intercept of Traffic Connections
137899 137899	137899-GB-EPA 137899-US-NP	EP1633119 US7460484	05300720.9 10/934509	EP1633119 20060050644	GB US	11-Nov-09 2-Dec-08		7-Sep-05	Lawful Intercept of Traffic Connections  Lawful Intercept Of Traffic Connections
137902	137902-US-NP	US7418636	11/024119	20060030644	US	26-Aug-08		22-Dec-04	Address Error And Address Detection Systems And
	137908-US-NP	US7590053	11/156566	20060285486	US	15-Sep-09	29-Mar-27	21-Jun-05	Methods Multiple Endpoint Protection Using SPVCs
137912	137912-CN-NP	ZL200510113218	200510113218.9	1750456	CN	2-Jun-10		14-Sep-05	Cookie-Based Mechanism Providing Lightweight
137512	13/312*CN*NF	.9	200310113218.9	1730436	CIV	2-50/1-10	14-36p-23	14-3ep-03	Authentication Of Layer-2 Frames  Cookie-Based Mechanism Providing Lightweight
137912	137912-US-NP	US7685420	10/939378	20060056402	US	23-Mar-10	21-Jan-29	14-Sep-04	Authentication Of Layer-2 Frames
137916	137916-US-NP	US7549078	11/345259	20070180311	US	16-Jun-09	12-Feb-27	31-Jan-06	Redundancy In Routing Devices  Communication Traffic Policing Apparatus and
137922	137922-US-NP	US7609634	11/086535	20060215558	US	27-Oct-09	24-Jan-28	22-Mar-05	Methods  Jitter Controlled WFQ Algorithm On Network
137934	137934-DE-EPA	EP1684475	06300016.0	EP1684475	DE	31-Dec-08		9-Jan-06	Processors and Latency Contstrained Hardware  Jitter Controlled WFQ Algorithm On Network
137934	137934-FR-EPA	EP1684475	06300016.0	EP1684475	FR	31-Dec-08	9-Jan-26	9-Jan-06	Processors and Latency Contstrained Hardware
137934	137934-GB-EPA	EP1684475	06300016.0	EP1684475	GB	31-Dec-08	9-Jan-26	9-Jan-06	Jitter Controlled WFQ Algorithm On Network Processors and Latency Contstrained Hardware Jitter Controlled WFQ Algorithm On Network
137934	137934-US-NP	US7414972	11/032074	20060153071	US	19-Aug-08	30-Oct-26	11-Jan-05	Processors and Latency Constrained Hardware
137938	137938-US-NP	US7783756	11/143620	20060274643	US	24-Aug-10	7-Jun-29	3-Jun-05	Protection For Wireless Devices Against False Access- Point Attacks Protection For Wireless Devices Against False Access-
137938	137938-DE-EPT	EP1891791	06795276.2	EP1891791	DE	21-Oct-09	2-Jun-26	2-Jun-06	Point Attacks
137938	137938-FR-EPT	EP1891791	06795276.2	EP1891791	FR	21-Oct-09	2-Jun-26	2-Jun-06	Protection For Wireless Devices Against False Access- Point Attacks
137938	137938-GB-EPT	EP1891791	06795276.2	EP1891791	GB	21-Oct-09	2-Jun-26	2-Jun-06	Protection For Wireless Devices Against False Access- Point Attacks
137941	137941-DE-EPT	EP1927222	06831816.1	EP1927222	DE	15-Dec-10	12-Sep-26	12-Sep-06	Low Latency, Working VPLS
	137941-FR-EPT	EP1927222	06831816.1	EP1927222	FR	15-Dec-10			Low Latency, Working VPLS
	137941-GB-EPT 137941-US-NP	EP1927222 US7619992	06831816.1 11/224057	EP1927222 20070058622	GB US	15-Dec-10 17-Nov-09			Low Latency, Working VPLS Low Latency Working VPLS
137954	137954-US-NP	US7898956	11/519559	20080062873	US	1-Mar-11		12-Sep-06	Credit-Based Rate Control For High-Speed Serial Interfaces
137958	137958-CN-NP	ZL200610126516 .6	200610126516.6	1925412	CN	22-May-13		25-Aug-06	Method And System Of Multicast Host Authorization, Tracking, And Accounting Multicast Host Authorization Tracking, And
137958	137958-US-NP	US8503446	11/212870	20070047545	US	6-Aug-13	8-Nov-28	29-Aug-05	Accounting
137961	137961-US-NP	US7719957	11/212661	20070047556	US	18-May-10		29-Aug-05	Resiliency In Minimum Cost Tree-Based VPLS Architecture Mechanism To Avoid Expensive Double-Encryption In
137970	137970-DE-EPA	EP1758310	06300882.5	EP1758310	DE	20-Apr-11	-	17-Aug-06	Mobile Networks  Mechanism To Avoid Expensive Double-Encryption In
137970	137970-FR-EPA 137970-GB-EPA	EP1758310 EP1758310	06300882.5 06300882.5	EP1758310 EP1758310	FR GB	20-Apr-11 20-Apr-11	17-Aug-26 17-Aug-26	17-Aug-06 17-Aug-06	Mobile Networks Mechanism To Avoid Expensive Double-Encryption In
	137970-US-NP	US7613920	11/207801	20070043940	US	3-Nov-09		22-Aug-05	Mobile Networks  Mechanism To Avoid Expensive Double-Encryption In
137978	137978-US-NP	US7613753	11/604722	20080126453	US	3-Nov-09		28-Nov-06	Mobile Networks  A Parallel Hardware Runtime Machine For Functional
137981	137981-US-NP	US8730814	11/137147	20060268680	US	20-May-14		25-May-05	Programs Communication Network Connection Failure
137981	137981-EP-EPT	*	06765612.4	EP1889401	EP	, 11	22-May-26	22-May-06	Protection Methods And Systems  Communication Network Connection Failure
139037	139037-US-NP	US7102895	10/186418		US	5-Sep-06		1-Jul-02	Protection Methods And Systems BRACKET ASSEMBLY USED TO CONNECT A PLUG-IN CARD TO A BACKPLANE
139070	139070-DE-EPA	EP1429519	03026026.9	EP1429519	DE	2-Aug-06	12-Nov-23	12-Nov-03	GRAPHICAL PROXY FOR LESS CAPABLE TERMINALS
203010	2000YO DE EFA	C. 17E3313	55020020.5	C. 1763J13	J.	2-Ank-00	14-140V-23	12-1909-03	SISTEMORE FROM FOR ELSS CAPABLE TERMINALS

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FAMILY	Case Reference	GRANT NUMBER	Application Number	PUBLICATION NUMBER	COUNTRY		EXPIRATION DATE	APPLICATION DATE	H11E
139070	139070-FR-EPA	EP1429519	03026026.9	EP1429519	FR	2-Aug-06	12-Nov-23	12-Nov-03	GRAPHICAL PROXY FOR LESS CAPABLE TERMINALS
139070	139070-GB-EPA	EP1429519	03026026.9	EP1429519	GB	2-Aug-06	12-Nov-23	12-Nov-03	GRAPHICAL PROXY FOR LESS CAPABLE TERMINALS
139070	139070-US-NP	US7110763	10/317447	20040114603	US	19-Sep-06	4-Apr-24	12-Dec-02	GRAPHICAL PROXY FOR LESS CAPABLE TERMINALS
139074	139074-US-NP	US6992978	09/324454		US	31-Jan-06	2-Jun-19	2-Jun-99	METHOD AND SYSTEM FOR PATH PROTECTION IN A COMMUNICATIONS NETWORK
139078	139078-US-NP	US6973178	10/320290		us	6-Dec-05	27-Aug-23	16-Dec-02	METHOD AND APPARATUS FOR IMPLEMENTING A BANDLIMITED RINGING SIGNAL FOR TELEPHONE NETWORKS
139082	139082-DE-EPA	EP1517525	04020718.5	EP1517525	DE	9-Apr-08	1-Sep-24	1-Sep-04	APPARATUS, AND ASSOCIATED METHOD, FOR SELECTABLY AND AUTOMATICALLY REDIRECTING A TELEPHONIC CALL TO A SECONDARY LOCATION
139082	139082-US-NP	US7460658	10/663881	20050058269	US	2-Dec-08	27-Dec-26	16-Sep-03	Secondary Location
139086	139086-US-CIP	US6826210	10/213278	20030026305	US	30-Nov-04	6-Aug-22	6-Aug-02	POWER CONTROL CIRCUIT FOR LASER DIODE HAVING WAVELENGTH COMPENSATION
139102	139102-DE-EPA	EP1494412	04015542.6	EP1494412	DE	30-Aug-06	1-Jul-24	1-Jul-04	ASSEMBLY, AND ASSOCIATED METHOD, FOR TELEPHONIC CALL CONNECTION WITH A VIRTUALLY-RESIDENT TELEPHONIC STATION
139102	139102-FR-EPA	EP1494412	04015542.6	EP1494412	FR	30-Aug-06	1-Jul-24	1-Jul-04	RESIDENT TELEPHONIC STATION
139102	139102-GB-EPA	EP1494412	04015542.6	EP1494412	GB	30-Aug-06	1-Jul-24	1-Jul-04	ASSEMBLY, AND ASSOCIATED METHOD, FOR TELEPHONIC CALL CONNECTION WITH A VIRTUALLY-RESIDENT TELEPHONIC STATION
139102	139102-П-ЕРА	EP1494412	04015542.6	EP1494412	п	30-Aug-06	1-Jul-24	1-Jul-04	ASSEMBLY, AND ASSOCIATED METHOD, FOR TELEPHONIC CALL CONNECTION WITH A VIRTUALLY-RESIDENT TELEPHONIC STATION
139102	139102-US-NP	US7706519	10/612471	20050002378	us	27-Apr-10	5-Nov-27	2-Jul-03	ASSEMBLY, AND ASSOCIATED METHOD, FOR TELEPHONIC CALL CONNECTION WITH A VIRTUALLY-RESIDENT TELEPHONIC STATION
139102	139102-CN-NP	ZL10062418.1	200410062418.1	1578529	CN	23-Jun-10	2-Jul-24	2-Jul-04	ASSEMBLY, AND ASSOCIATED METHOD, FOR TELEPHONIC CALL CONNECTION WITH A VIRTUALLY-RESIDENT TELEPHONIC STATION
139106	139106-US-NP	US7242668	10/412127	20040090923	US	10-Jul-07	5-Jan-26	11-Apr-03	NETWORK MONITORING SYSTEM RESPONSIVE TO CHANGES IN PACKET ARRIVAL VARIANCE AND MEAN
139133	139133-DE-EPA	EP1511238	04018217.2	EP1511238	DE	23-Feb-11	31-Jul-24	31-Jul-04	DISTRIBUTED AND DISJOINT FORWARDING AND ROUTING SYSTEM AND METHOD
139133	139133-FR-EPA	EP1511238	04018217.2	EP1511238	FR	23-Feb-11	31-Jul-24	31-Jul-04	DISTRIBUTED AND DISJOINT FORWARDING AND ROUTING SYSTEM AND METHOD
139133	139133-GB-EPA	EP1511238	04018217.2	EP1511238	GB	23-Feb-11	31-Jul-24	31-Jul-04	DISTRIBUTED AND DISJOINT FORWARDING AND ROUTING SYSTEM AND METHOD
139133	139133-US-NP	US7606140	10/651134	20050050136	US	20-Oct-09	10-Jun-27	28-Aug-03	DISTRIBUTED AND DISJOINT FORWARDING AND ROUTING SYSTEM AND METHOD
139137	139137-US-NP	US7889644	10/645257	20050041583	US	15-Feb-11	19-Oct-26	21-Aug-03	MULTI-TIME SCALE ADAPTIVE INTERNET PROTOCOL ROUTING SYSTEM AND METHOD
139149	139149-US-DIV	US7337537	11/354526		US	4-Mar-08	26-Mar-24	15-Feb-06	METHOD FOR FORMING A BACK-DRILLED PLATED THROUGH HOLE IN A PRINTED CIRCUIT BOARD AND THE RESULTING PRINTED CIRCUIT BOARD
139171	139171-US-NP	US7451243	10/655463	20050021753	US	11-Nov-08	14-Apr-26	4-Sep-03	SYSTEM AND METHOD FOR IMPLEMENTING RMII ETHERNET RESET
139195	139195-DE-EPA	EP1551125	04029619.6	EP1551125	DE	13-Feb-13	15-Dec-24	15-Dec-04	SYSTEM AND METHOD FOR DISCOVERING WAVELENGTHS IN NETWORK ELEMENTS HAVING AN OPTICAL ARCHITECTURE
139195	139195-FR-EPA	EP1551125	04029619.6	EP1551125	FR	13-Feb-13	15-Dec-24	15-Dec-04	SYSTEM AND METHOD FOR DISCOVERING WAVELENGTHS IN NETWORK ELEMENTS HAVING AN OPTICAL ARCHITECTURE
139195	139195-GB-EPA	EP1551125	04029619.6	EP1551125	GB	13-Feb-13	15-Dec-24	15-Dec-04	SYSTEM AND METHOD FOR DISCOVERING WAVELENGTHS IN NETWORK ELEMENTS HAVING AN OPTICAL ARCHITECTURE
139195	139195-US-NP	US7650073	10/750123	20050141437	US	19-Jan-10	28-Aug-25	29-Dec-03	SYSTEM AND METHOD FOR DISCOVERING WAVELENGTHS IN NETWORK ELEMENTS HAVING AN OPTICAL ARCHITECTURE
139215	139215-US-NP	US7602701	10/743592		US	13-Oct-09			WIDEBAND CROSS-CONNECT SYSTEM AND PROTECTION METHOD UTILIZING SONET ADD/DROP MUTLIPLEXERS
139217 139217	139217-US-NP 139217-EP-EPA	US7565357	11/026452 05028327.4	20060149752 EP1677481	US EP	21-Jul-09	13-Nov-26 23-Dec-25		MULTI-SENSOR COMMUNICATION SYSTEM MULTI-SENSOR COMMUNICATION SYSTEM
139225	139225-US-NP	US7613395	10/990157	20060104637	US	3-Nov-09	12-Mar-28	16-Nov-04	OPTICAL NETWORK TERMINATION APPARATUS WITH SHARED COMPONENTS AND PASSIVE OPTICAL NETWORK SYSTEM COMPRISING SAME
139228	139228-CN-NP	ZL00100307.0	00100307	1263421	CN	16-Jun-04	14-Jan-20	14-Jan-00	METHOD AND DEVICE FOR CONTROL AND COMPATIBLE DELIVERY OF DIGITALLY COMPRESSED VISUAL DATA IN A HETEROGENEOUS COMMUNICATION NETWORK **RECEVIED FROM PACKET VIDEO CORPORATION**
139228	139228-HK-NP	HK1027704	00106854.2	1027704A	нк	1-Apr-05	14-Jan-20	14-Jan-00	METHOD AND DEVICE FOR CONTROL AND COMPATIBLE DELIVERY OF DIGITALLY COMPRESSED VISUAL DATA IN A HETEROGENEOUS COMMUNICATION NETWORK **ACQUIRED FROM PACKET VIDEO CORPORATION**
139228	139228-US-NP	US6498865	09/248462		US	24-Dec-02	22-Jan-19	22-Jan-99	METHOD AND DEVICE FOR CONTROL AND COMPATIBLE DELIVERY OF DIGITALLY COMPRESSED VISUAL DATA IN A HETEROGENEOUS COMMUNICATION NETWORK **RECEVIED FROM PACKET VIDEO CORPORATION**
139233	139233-US-NP	US7646730	10/926818	20050113098	US	12-Jan-10	21-Nov-26	26-Aug-04	AVAILABILITY AWARE COST MODELING FOR OPTICAL CORE NETWORKS

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139235	139235-US-NP	US7760637	10/865432		US	20-Jul-10	1-May-27	10-Jun-04	SYSTEM AND METHOD FOR IMPLEMENTING FLOW CONTROL WITH DYNAMIC LOAD BALANCING FOR SINGLE CHANNELIZED INPUT TO MULTIPLE OUTPUTS
139237	139237-DE-EPA	EP1628441	05016837.6	EP1628441	DE	16-Apr-08	3-Aug-25	3-Aug-05	SCALABLE VLAN GROUPING IN A PROVIDER METRO ETHERNET
139237	139237-FR-EPA	EP1628441	05016837.6	EP1628441	FR	16-Apr-08	3-Aug-25	3-Aug-05	SCALABLE VLAN GROUPING IN A PROVIDER METRO ETHERNET
139237	139237-GB-EPA	EP1628441	05016837.6	EP1628441	GB	16-Apr-08	3-Aug-25	3-Aug-05	SCALABLE VLAN GROUPING IN A PROVIDER METRO ETHERNET
139237	139237-US-NP	US7408936	10/922602	20060039383	US	5-Aug-08	4-Aug-26	20-Aug-04	SCALABLE VLAN GROUPING IN A PROVIDER METRO ETHERNET
139284	139284-US-NP	US7835513	11/271289	20060115069	US	16-Nov-10	8-May-28	12-Nov-05	SS7 TELECOMMUNICATIONS NODE AND METHOD FOR SYNTHETIC GLOBAL TITLE TRANSLATION
139285	139285-US-NP	US7921193	10/967385	20060095560	US	5-Apr-11	3-Feb-30	16-Oct-04	SYSTEM AND METHOD FOR LEVERAGING END-USERS' PREFERENCES FOR EFFICIENT COMMUNICATIONS
139313	139313-CN-NP	ZL10114118.8	200510114118.8		CN	10-Nov-10	17-Oct-25	17-Oct-05	HEAT DISSIPATION SYSTEM FOR MULTIPLE INTEGRATED CIRCUITS MOUNTED ON A PRINTED CIRCUIT BOARD
139313	139313-DE-EPA	EP1648213	05022017.7	EP1648213	DE	26-Nov-08	10-Oct-25	10-Oct-05	HEAT DISSIPATION SYSTEM FOR MULTIPLE INTEGRATED CIRCUITS MOUNTED ON A PRINTED CIRCUIT BOARD
139313	139313-FR-EPA	EP1648213	05022017.7	EP1648213	FR	26-Nov-08	10-Oct-25	10-Oct-05	HEAT DISSIPATION SYSTEM FOR MULTIPLE INTEGRATED CIRCUITS MOUNTED ON A PRINTED CIRCUIT BOARD
139313	139313-GB-EPA	EP1648213	05022017.7	EP1648213	GB	26-Nov-08	10-Oct-25	10-Oct-05	CIRCUIT BOARD
139313	139313-US-NP	US7502229	11/157667	20060082974	US	10-Mar-09		21-Jun-05	CIRCUIT BOARD
139355	139355-US-PCT	US7616648	10/510436	20050232282	US	10-Nov-09			INTERNET AUDIO GATEWAY Restrictive And Preferential Routing In A Distributed
139381	139381-US-PCT	US8103279	10/599893	20110104462	US	24-Jan-12	10-Jan-26	21-Apr-05	Mobile Switching Center Environment With Media Gateway Clusters
139394	139394-JP-NP	JP4560506	2006304842		JP	30-Jul-10	10-Nov-26	10-Nov-06	CLUSTERING CALL SERVERS TO PROVIDE PROTECTION AGAINST CALL SERVER FAILURE
139394	139394-US-NP	US9264455	11/274956	20070109960	US	16-Feb-16	2-Apr-32	17-Nov-05	Clustering Call Servers To Provide Protection Against Call Server Failure
139402	139402-US-NP	US8565095	11/315512	20060250971	US	22-Oct-13	1-Oct-28	22-Dec-05	Context Controlled Data Tap Utilizing Parallel Logic For Integrated Link Monitoring
139403	139403-US-NP 139424-US-CNT[2]	US8228956 US9307576	11/315544	20060233202	US	24-Jul-12 5-Apr-16	11-Oct-28 18-Jan-27	22-Dec-05 9-Oct-12	Core Network Interface For Packet Domain For UMA
139424	139424-EP-EPT		06761964.3	EP1882377	EP	57tp. 10	3-Apr-26	3-Apr-06	UNC Applications METHOD AND SYSTEM TO PROVIDE IMPROVED CORE NETWORK INTERFACE FOR PACKET DOMAIN FOR UMA UNC APPLICATIONS
139465	139465-US-NP	US8295186	11/536315	20080080501	US	23-Oct-12	19-Jan-28	28-Sep-06	Individual End-To-End D/DV/L Measurement In IP Multicast
139469	139469-US-NP	US7676550	11/398111		US	9-Mar-10	12-Dec-27	5-Apr-06	MULTIPLE ACCESS PRESENCE AGENT
139470	139470-US-NP	US7890474	11/382360		US	15-Feb-11	2-Jan-27	· ·	PRESENCE DRIVEN COMMUNICATION CONTACTS
139500 140193	139500-US-CIP 140193-US-NP	US7817789 US7784028	11/458581 10/896877	20060245550	US	19-Oct-10 24-Aug-10	16-Aug-22 23-Jul-24	19-Jul-06 23-Jul-04	MASS CALL DEFENSE  Method for milti-standard software defined radio
140193	140193-DE-EPA	EP1503603	04015290.2	EP1503603	DE	12-Sep-12	30-Jun-24	30-Jun-04	base-band processing  Method for multi-standard software defined radio
140193	140193-FR-EPA	EP1503603	04015290.2	EP1503603	FR	12-Sep-12	30-Jun-24	30-Jun-04	base-band processing  Method for multi-standard software defined radio
140193	140193-GB-EPA	EP1503603	04015290.2	EP1503603	GB	12-Sep-12	30-Jun-24	30-Jun-04	base-band processing  Method for multi-standard software defined radio
150012	150012-US-NP	US7570649	11/067506	20060193332	US	4-Aug-09		28-Feb-05	base-band processing  Forwarding State Sharing Between Multiple Traffic
150013	150013-DE-EPA	EP1764951	06300951.8	EP1764951	DE	2-Nov-11	14-Sep-26	14-Sep-06	Paths In A Communication Network  Statistical Trace-Based Methods For Real-Time Traffic
150013	150013-FR-EPA	EP1764951	06300951.8	EP1764951	FR	2-Nov-11	14-Sep-26	14-Sep-06	Classification Statistical Trace-Based Methods For Real-Time Traffic
150013	150013-GB-EPA	EP1764951	06300951.8	EP1764951	GB	2-Nov-11	14-Sep-26	14-Sep-06	Classification Statistical Trace-Based Methods For Real-Time Traffic Classification
150013	150013-US-NP	US7782793	11/226328	20070076606	US	24-Aug-10	2-Mar-28	15-Sep-05	Statistical Trace-Based Methods For Real-Time Traffic
150018	150018-US-NP	US8079017	11/288226	20070124726	US	13-Dec-11	14-Jul-30	29-Nov-05	Classification Automated QS Interface Testing Framework
150022	150022-US-NP	US7436291	11/324596	20070157052	US	14-Oct-08	16-Aug-26	3-Jan-06	Protection Of Devices In A Redundant Configuration
150033	150033-CN-NP	ZL200610071101 .3	200610071101.3	1822588	CN	26-Jan-11	24-Jan-26	24-Jan-06	Communication Traffice Management Monitoring Systems And Methods
150033	150033-US-NP	US7489628	11/041561	20060164979	US	10-Feb-09	25-Jul-26	24-Jan-05	Communication Traffic Management Monitoring Systems and Methods
150036	150036-US-NP	US7668914	11/090308	20060242240	us	23-Feb-10	25-Dec-27	28-Mar-05	Milestone Synchronization In Broadcast Multimedia Streams
150051	150051-US-CIP	US7679924	11/437965	20070086175	US	16-Mar-10	-	,	Configurable Chassis Guidance System and Method
150057	150057-US-NP	US9083915 ZL200880001699	11/905247	20090089834	US	14-Jul-15	27-Aug-29	28-Sep-07	3D Electronic Program Guide Mechanism For Authentication Of Caller And Callee
150063	150063-CN-PCT 150063-EP-EPT	.6	200880001699.6 08719874.3	101578637 EP2104927	CN EP	19-Sep-12	16-Jan-28 16-Jan-28	16-Jan-08 16-Jan-08	In VOIP (Or IMS) Networks  Mechanism For Authentication Of Caller and Callee In
150063	150063-EP-EPT	US8102838	11/653980	20080172728	US	24-Jan-12	25-Nov-30	16-Jan-08 17-Jan-07	VOIP (or IMS) Networks Mechanism For Authentication Of Caller and Callee
150065	150063-US-NP	US7724660	11/653980	20080172728	US				Using Otoacoustic Emissions Communication Traffic Congestion Management
130003	T20002-02-IAL	G3772400U	11/301/14	200/0133419	V3	25-May-10	6-Oct-28	13-Dec-05	Systems and Methods Methods and Data Structure for Indexed Storage of
150079	150079-US-NP	US7603377	11/255953	20060288020	US	13-Oct-09		24-Oct-05	Hierarchically Interrelated Information in a Relational Database
150091	150091-US-DIV	US7962958	12/709015	20100142709	US	14-Jun-11	5-Oct-25		Rogue Access Point Detection In Wireless Networks
150091	150091-US-NP	US7716740	11/242884	20070079376	US	11-May-10	5-Aug-28	5-Oct-05	Rogue Access Point Detection In Wireless Networks

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150115	150115-EP-EPA		06301009.4	EP1783610	EP		3-Oct-26		Communication System Hierarchical Testing Systems And Methods - Entity Dependent Automatic Selection
									Of Tests
150136 150142	150136-US-NP 150142-US-NP	US7885398 US7889656	11/367401 11/392736	20070206762	US	8-Feb-11 15-Feb-11	9-Dec-29 16-Dec-29	6-Mar-06 30-Mar-06	Multiple Criteria Based Load Balancing
									Binned Duration Flow Tracking Disributed Communication Traffic Control Systems
150150	150150-US-NP	US7688721	11/373919	20070211627	US	30-Mar-10	,	13-Mar-06	and Methods  System And Method For Processing A Conference
150152	150152-US-NP	US9030968	11/453875	20070291736	US	12-May-15	28-Dec-27	16-Jun-06	Session Through A Communication Channel  Method and System For Generating Route
150176	150176-US-NP	US7500196	11/386806	20070223486	US	3-Mar-09	15-Feb-27	23-Mar-06	Distinguishers And Targets For A Virtual Private Network
150177	150177-US-NP	US7872973	11/377578	20070217336	US	18-Jan-11	23-Jan-28	17-Mar-06	A Method And System For Using A Queuing Device As A Lossless Stage In A Nework Device In A Communications Network
150185	150185-US-NP	US7580359	11/353086	20070189170	us	25-Aug-09	10-Mar-28	14-Feb-06	A Method and System For Maximizing Network Capacity Utilization In Multiprotocol Label Switched Networks By Moving Label Switched Paths
150204	150204-US-NP	US7312993	11/313748	20070144704	US	25-Dec-07	9-Apr-26	22-Dec-05	Electronics Equipment Cabinet
150205	150205-US-NP	US8375109	11/701182	20070214272	US	12-Feb-13			Shortened DHCP Lease Time
150208	150208-US-NP	US7613938	11/370618	20070214372	US	3-Nov-09	23-Dec-27	o-Iviar-ub	Power Cycle Circuit
150210	150210-US-NP	US8191106	11/808236	20080307487	US	29-May-12	28-Nov-30	7-Jun-07	System And Method Of Network Access Security Policy Management For Multimodal Device
150215	150215-US-NP	US7756028	11/412085	20070253333	US	13-Jul-10	13-May-29	27-Apr-06	Pulsed Backpressure Mechanism For Reduced FIFO
150240	150240-US-NP	US7710999	11/411968	20070255842	US	4-May-10	3-Jun-28	27-Apr-06	Utilization Policy Calendar
150244	150244-US-NP	US7512776	11/367414	20070208927	US	31-Mar-09	13-Apr-27	6-Mar-06	Optimized Control Plane Signalling For A High Availability Network Device In A Communications Network
150253	150253-US-NP	US7649906	11/412143	20070253446	us	19-Jan-10	23-Jan-28	27-Apr-06	Method Of Reducing Buffer Usage By Detecting Missing Fragments And Idle Links For Multilink Protocols And Devices Incorporating Same
150256	150256-US-NP	US7697558	11/717090	20080225848	US	13-Apr-10	23-Jun-28	13-Mar-07	EAS Enhancement Using Alert Server and Metro ATM Network for DSL Deployment
150257	150257-US-NP	US7636357	11/412084	20070253338	US	22-Dec-09	20-May-28	27-Apr-06	Method Of Collecting Consistent Flow Statistics Through Multiple Congestion Points Within A Multi- Service Switch/Router And Multi-Service Switches/Routers Provisioned With Same
150258	150258-US-NP	US8315951	11/979304	20090119182	US	20-Nov-12	6-Nov-29	1-Nov-07	Identity Verification For Secure E-Commerce Transactions
150265	150265-US-NP	US8948045	11/449073	20070286094	us	3-Feb-15	26-Dec-27	8-Jun-06	Communication System And Method Of Configuring A Communication Interface
150266	150266-US-NP	US7734949	11/394261	20070234101	US	8-Jun-10	4-Jan-28	30-Mar-06	Information Error Recovery Apparatus and Methods
150268	150268-US-NP	US8416691	11/414725		US	9-Apr-13	12-Apr-28	27-Apr-06	Associating Hosts With Subscriber And Service Based Requirements
150268	150268-EP-EPT		07789679.3	EP2014058	EP		27-Apr-27	27-Apr-07	Associating Hosts With Subscriber And Service Based Requirements
150270	150270-US-NP	US7827310	11/413965		US	2-Nov-10	20-Sep-28	27-Apr-06	Host Connectivity Verification
150272	150272-US-NP	US8284656	11/443101	20070253326	us	9-Oct-12	8-Feb-30	31-May-06	System And Method For Resilient VPLS Over Multi- Nodal APS Protected Provider Edge Nodes
150292	150292-DE-EPT	EP2047628	07859556.8	EP2047628	DE	6-Jan-16	19-Jul-27	19-Jul-07	System And Method For Maintaining State Synchronization In Redundant IMA Group Protection Switching
150292	150292-FR-EPT	EP2047628	07859556.8	EP2047628	FR	6-Jan-16	19-Jul-27	19-Jul-07	System And Method For Maintaining State Synchronization In Redundant IMA Group Protection Switching
150292	150292-GB-EPT	EP2047628	07859556.8	EP2047628	GB	6-Jan-16	19-Jul-27	19-Jul-07	System And Method For Maintaining State Synchronization In Redundant IMA Group Protection Switching
150292	150292-CN-PCT	ZL200780025991	200780025991.7	101490995	CN	19-Jun-13	19-Jul-27	19-Jul-07	System And Method For Maintaining State Synchronization In Redundant IMA Group Protection
150296	150296-US-NP	US8214451	11/624718	20080178169	US	3-Jul-12	13-Dec-27	19-Jan-07	Switching Network Service Version Management
300120	300120-FR-DP	FR954976	954976		FR	14-Sep-95			ICONE
300158	300158-FR-DP	FR971511	971511		FR	13-Mar-97		13-Mar-97	20 MODELES D'ICONE (DEPOT GROUPE)
800002	800002-EP-EPA		07300840.1	EP1965575	EP		1-Mar-27		Process of personal security management
									Method to establish public communication link
800007	800007-EP-EPA		06022378.1	EP1916816	EP		26-Oct-26	26-Oct-06	inside a private Intranet
800051	800051-FR-NP 800051-EP-EPA	FR2912028	0752952 08101049.8	2912028 EP1953968	FR EP	12-Jun-09	30-Jan-27 29-Jan-28	30-Jan-07 29-Jan-08	GUEST MOBILE USER ON FIXED NETWORK  PROCÉDÉ D¿ÉTABLISSEMENT DE COMMUNICATIONS À COÛT RÉDUIT POUR UN UTILISATEUR DE TERMINAL MOBILE STIUÉ À PROXIMITÉ D¿UN TERMINAL CONNECTE A UN RESEAU FIXE, ET DISPOSITIFS DE CONTRÔLE D¿ÉTABLISSEMENT DE COMMUNICATION ASSOCIÉS
800096	800096-DE-EPA	EP1947887	07290083.0	EP1947887	DE	15-Jul-09	19-Jan-27	10 lan 07	Transport Format Selection for HSDPA
800096	800096-FR-EPA	EP1947887	07290083.0	EP1947887	FR	15-Jul-09 15-Jul-09			Transport Format Selection for HSDPA Transport Format Selection for HSDPA
800096	800096-GB-EPA	EP1947887	07290083.0	EP1947887	GB	15-Jul-09	19-Jan-27	19-Jan-07	Transport Format Selection for HSDPA
800101	800101-JP-PCT	JP4865042	2009549387	2010518769	JP	18-Nov-11	29-Jan-28		Dynamic Transcoding Management  Method And Apparatus For Assigning Transcoding
800101	800101-US-NP	US8605581 ZL200780033893	12029067	20080192760	US	10-Dec-13	-	11-Feb-08	Resources In A Session Boarder Controller  Synchronization Recovery For Multiple-Link
800114	800114-CN-PCT	.8	200780033893.8	101517988	CN	19-Sep-12		31-Aug-07	Communications Synchronization Recovery For Multiple-Link Synchronization Recovery For Multiple-Link
800114	800114-DE-EPT	EP2078394	07849299.8	EP2078394	DE	30-Sep-15	-	31-Aug-07	Communication Recovery For Multiple-Link  Synchronization Recovery For Multiple-Link
800114	800114-FR-EPT	EP2078394	07849299.8	EP2078394	FR	30-Sep-15		31-Aug-07	Communications Using Inverse Multiplexing Synchronization Recovery For Multiple-Link
800114	800114-GB-EPT 800114-US-NP	EP2078394 US8155156	07849299.8 11/521690	EP2078394 20080069149	GB US	30-Sep-15 10-Apr-12		31-Aug-07 15-Sep-06	Communications Using Inverse Multiplexing Synchronization Recovery For Multiple-Link
000114	000114-03-NP	030133130	11/321090	20060009149	03	10-Apr-12	14-Jul-29	13-5ep-06	Communications

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	CASE		APPLICATION	PUBLICATION			EXPERATE ON	APPLICATION	
FAMILY	REFERENCE	NUMBER	NUMBER	NUMBER	US US		DATE	DATE	THTLE
800134 800152	800134-US-NP 800152-DE-EPA	US8111987 EP2031808	12/355866 07291057.3	20100183295 EP2031808	DE	7-Feb-12 11-Nov-09	29-May-30 31-Aug-27		Rogue ONU Detection Via Photonic Mixing Multi-connections delivery over WiMAX
800152	800152-DE-EPD	EP2051460	09151703.7	EP2051460	DE	7-Jul-10	31-Aug-27	31-Aug-07	Multi-connections delivery over WiMAX
800152 800152	800152-FR-EPA 800152-FR-EPD	EP2031808 EP2051460	07291057.3 09151703.7	EP2031808 EP2051460	FR FR	11-Nov-09 7-Jul-10	31-Aug-27 31-Aug-27		Multi-connections delivery over WiMAX Multi-connections delivery over WiMAX
800152	800152-GB-EPA	EP2031808	07291057.3	EP2031808	GB	11-Nov-09	31-Aug-27	31-Aug-07	Multi-connections delivery over WiMAX
800152	800152-GB-EPD	EP2051460	09151703.7	EP2051460	GB	7-Jul-10	31-Aug-27	31-Aug-07	Multi-connections delivery over WiMAX
800153	800153-US-NP	US8326917	12/133117	20080313279	US	4-Dec-12	14-May-29	4-Jun-08	Method And Apparatus For Identifying An Alternative Peer Hosting An Alternative Communication Service
800153	800153-DE-EPA	EP2007103	07301123.1	EP2007103	DE	5-Aug-09	18-Jun-27	18-Jun-07	Service peer as service provider for users in a peer-to- peer network
800153	800153-FR-EPA	EP2007103	07301123.1	EP2007103	FR	5-Aug-09	18-Jun-27	18-Jun-07	Service peer as service provider for users in a peer-to- peer network
800153	800153-GB-EPA	EP2007103	07301123.1	EP2007103	GB	5-Aug-09	18-Jun-27	18-Jun-07	Service peer as service provider for users in a peer-to- peer network
800172	800172-US-NP	US7730029	11/521347	20080082630	US	1-Jun-10	14-Jun-27	15-Sep-06	System And Method Of Fault Tolerant Reconciliation Process For Control Card Redundancy
800173	800173-US-NP	US8023271	11/975002	20090101382	US	20-Sep-11	13-Jan-30	17-Oct-07	Improved Sealed Expansion Module Detecting Collisions On Multipoint Shared Optical
800178	800178-US-NP	US8290368	12/500117	20110008045	US	16-Oct-12	8-Mar-31	9-Jul-09	Media
800279	800279-US-NP	US8125916	12/117983	20090325568	US	28-Feb-12	13-May-30	9-May-08	Method Of Transmitting Signaling Messages
800283	800283-US-NP	US8109321	12/043078	20090223647	US	7-Feb-12	10-Nov-30	5-Mar-08	Modular Heat Sink Assembly Comprising A Larger Main Heat Sink Member Thermally Connected To Smaller Additional Floating Heat Sink Members
800286	800286-EP-EPA		06291848.7	EP1928196	EP		30-Nov-26	30-Nov-06	RADIO FLOW CONTROL FOR UMTS HSUPA CONSIDERING TRANSMISSION CAPACITY
800287	800287-EP-EPT		07848877.2	EP2100419	EP		11-Sep-27	11-Sep-07	MS SEAMLESS MOBILITY BETWEEN HSI ONE TUNNEL MODE AND GPRS/UMTS TECHNOLOGIES
800290	800290-EP-EPA		08102192.5	EP1968258	EP		29-Feb-28	29-Feb-08	ROUTAGE DE TRAFIC ENTRE SITES DISTANTS SUR UN RESEAU DE TRANSMISSION RADIO NON MAILLE
800310	800310-EP-EPA		08104239.2	EP2110994	EP		3-Jun-28	3-Jun-08	LAC (L2TP ACCESS CONTROLLER) IN WIMAX WITH IP- CS
800310	800310-FR-NP	FR2917258	0755503	2917258	FR	26-Feb-10	6-Jun-27	6-Jun-07	LAC (L2TP ACCESS CONTROLLER) IN WIMAX WITH IP- CS
800329	800329-US-NP	US7857267	11/818136	20080310083	US	28-Dec-10	2-May-29	13-Jun-07	Unique Mounting for Computer Equipment in Frames
800387	800387-CN-NP	ZL200810130005 .0	200810130005.0	CN101355803A	CN	14-Sep-11	23-Jul-28	23-Jul-08	OFDM resource assignment strategy and signaling
800387	800387-DE-EPA	EP2031907	07290921.1	EP2031907	DE	8-Jul-09	23-Jul-27	23-Jul-07	OFDM resource assignment strategy and signaling
800387	800387-ES-EPA	EP2031907	07290921.1	EP2031907	ES	8-Jul-09	23-Jul-27	23-Jul-07	OFDM resource assignment strategy and signaling
800387	800387-FR-EPA	EP2031907	07290921.1	EP2031907	FR	8-Jul-09	23-Jul-27	23-Jul-07	OFDM resource assignment strategy and signaling
800387	800387-GB-EPA	EP2031907	07290921.1	EP2031907	GB	8-Jul-09	23-Jul-27	23-Jul-07	OFDM resource assignment strategy and signaling
800387	800387-IT-EPA	EP2031907	07290921.1	EP2031907	П	8-Jul-09	23-Jul-27	23-Jul-07	OFDM resource assignment strategy and signaling
800387	800387-NL-EPA	EP2031907	07290921.1	EP2031907	NL	8-Jul-09	23-Jul-27	23-Jul-07	OFDM resource assignment strategy and signaling
800387	800387-JP-PCT	JP5174164	2010517378	2010534437	JP	11-Jan-13	21-Jul-28	21-Jul-08	OFDM resource assignment strategy and signaling
800387	800387-US-NP	US8121081	12/177500	20090029711	US	21-Feb-12	7-Sep-30	22-Jul-08	Method and Apparatus Signaling Resource Allocation
800389	800389-US-NP	US7929455	11/776655	20080151780	US	19-Apr-11	5-Mar-28	12-Jul-07	Optimization of Memory for EthOAM Multicast Entries
800404	800404-EP-EPA		08290554.8	EP2006783	EP		13-Jun-28	13-Jun-08	PROCEDE DE DESCRIPTION COOPERATIVE D'OBJETS MEDIAS
800410	800410-US-NP	US7826378	11/689834	20080232794	US	2-Nov-10	19-Nov-28	22-Mar-07	Distributed Virtual Port Loopback Implementation for a PON Architecture
800425 800425	800425-DE-EPA 800425-FR-EPA	EP2001201 EP2001201	08290511.8 08290511.8	EP2001201 EP2001201	DE FR	22-Sep-10 22-Sep-10	3-Jun-28 3-Jun-28	3-Jun-08 3-Jun-08	MMS routing using a transparent proxy server MMS routing using a transparent proxy server
800425	800425-GB-EPA	EP2001201	08290511.8	EP2001201	GB	22-Sep-10	3-Jun-28		MMS routing using a transparent proxy server
800573	800573-DE-EPA	EP2023532	08159655.3	EP2023532	DE	6-Apr-11	3-Jul-28	3-Jul-08	Dynamic and graphical analyzer inside the cartographic area
800573	800573-FR-EPA	EP2023532	08159655.3	EP2023532	FR	6-Apr-11	3-Jul-28	3-Jul-08	Dynamic and graphical analyzer inside the cartographic area
800573	800573-GB-EPA	EP2023532	08159655.3	EP2023532	GB	6-Apr-11	3-Jul-28	3-Jul-08	Dynamic and graphical analyzer inside the cartographic area
800612	800612-DE-EPA	EP1944987	07300719.7	EP1944987	DE	13-Mar-13	11-Jan-27	11-Jan-07	Interference coordination with on-demand support by neighbor cells
800612	800612-FR-EPA	EP1944987	07300719.7	EP1944987	FR	13-Mar-13	11-Jan-27	11-Jan-07	Interference coordination with on-demand support by neighbor cells
800612	800612-GB-EPA	EP1944987	07300719.7	EP1944987	GB	13-Mar-13	11-Jan-27	11-Jan-07	Interference coordination with on-demand support by neighbor cells
800621	800621-DE-EPA	EP2180743	08291003.5	EP2180743	DE	30-Apr-14	24-Oct-28	24-Oct-08	Virtual Macro Base Station for Wireless Cellular Networks
800621	800621-FR-EPA	EP2180743	08291003.5	EP2180743	FR	30-Apr-14	24-Oct-28	24-Oct-08	Virtual Macro Base Station for Wireless Cellular Networks
800621	800621-GB-EPA	EP2180743	08291003.5	EP2180743	GB	30-Apr-14	24-Oct-28	24-Oct-08	Virtual Macro Base Station for Wireless Cellular Networks
800663	800663-DE-EPT	EP2193620	08786415.3	EP2193620	DE	11-Jan-12	24-Jul-28	24-Jul-08	Retransmission of erroneous/lost packets over broadcast systems via cellular networks
800663	800663-FR-EPT	EP2193620	08786415.3	EP2193620	FR	11-Jan-12	24-Jul-28	24-Jul-08	Retransmission of erroneous/lost packets over broadcast systems via cellular networks
800663	800663-GB-EPT	EP2193620	08786415.3	EP2193620	GB	11-Jan-12	24-Jul-28	24-Jul-08	Retransmission of erroneous/lost packets over broadcast systems via cellular networks
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	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	TITLE
800663	800663-IN-PCT		2311/CHENP/2010	2311/CHENP/2010	IN		24-Jul-28	24-Jul-08	METHOD OF TRANSMITTING DATA FROM AN INFRASTRUCTURE OF A RADIO-COMMUNICATION NETWORK TO USER EQUIPMENT, AND EQUIPMENT FOR IMPLEMENTING THE METHOD
800663	800663-US-PCT	US8537749	12/678369	20100287593	us	17-Sep-13	24-Oct-29	24-Jul-08	Method Of Transmitting Data From An Infrastructure Of A Radio-Communication Network To User Equipment, And Equipment For Implementing The Method
	800693-US-NP	US7792942	11/712576	20000420052	US	7-Sep-10			DHCP Server Synchronization with DHCP Proxy Automatic ONT Self Disabling System, Method And
800765 800818	800765-US-NP 800818-US-NP	US8213792 US7801023	11/940377	20080138062	US	3-Jul-12 21-Sep-10		15-Nov-07 25-Sep-07	Computer Readable Medium  Mechanism For Efficient Endpoint Discriminator  Allocation For APS Protected MLPPP Bundles On
800832	800832-FR-NP	FR2918230	0704721	2918230	FR	26-Feb-10	29-Jun-27	29-Jun-07	Distributed Routing Systems  PuMMA : PrUning Mechanism in Multipoint
800836	800836-DE-EPA	EP1947800	07123753.1	EP1947800	DE	18-Nov-09		20-Dec-07	Architectures  Fixed Line network broadcast calls via NGN network.
800836	800836-FR-EPA	EP1947800	07123753.1	EP1947800	FR	18-Nov-09			Fixed Line network broadcast calls via NGN network.
800836	800836-GB-EPA	EP1947800	07123753.1	EP1947800	GB	18-Nov-09		20-Dec-07	Fixed Line network broadcast calls via NGN network.
800847	800847-CN-NP	ZL200810210907	200810210907.5	101409480	CN	15-Jun-11	12-Aug-28	12-Aug-08	Kostenoptimierte Befestigungsmethode für Bürstenfedern bei bürstenbehafteten Gleich- und Wechselstrom-Motoren
800847	800847-DE-EPA	EP2031738	07301332.8	EP2031738	DE	13-Oct-10	30-Aug-27	30-Aug-07	Kostenoptimierte Befestigungsmethode für Bürstenfedern bei bürstenbehafteten Gleich- und Wechselstrom-Motoren
800847	800847-FR-EPA	EP2031738	07301332.8	EP2031738	FR	13-Oct-10	30-Aug-27	30-Aug-07	Kostenoptimierte Befestigungsmethode für Bürstenfedern bei bürstenbehafteten Gleich- und Wechselstrom-Motoren
800847	800847-GB-EPA	EP2031738	07301332.8	EP2031738	GB	13-Oct-10	30-Aug-27	30-Aug-07	Kostenoptimierte Befestigungsmethode für Bürstenfedern bei bürstenbehafteten Gleich- und Wechselstrom-Motoren
800877	800877-DE-EPA	EP2068464	07291463.3	EP2068464	DE	6-Mar-13	6-Dec-27	6-Dec-07	Equipment and method for improving Worldwide Interoperability for Microwave Access (WIMAX) network capacity
800877	800877-FR-EPA	EP2068464	07291463.3	EP2068464	FR	6-Mar-13	6-Dec-27	6-Dec-07	Equipment and method for improving Worldwide Interoperability for Microwave Access (WIMAX) network capacity Equipment and method for improving Worldwide
800877	800877-GB-EPA	EP2068464	07291463.3	EP2068464	GB	6-Mar-13	6-Dec-27	6-Dec-07	Interoperability for Microwave Access (WIMAX) network capacity
800877	800877-JP-DIV		2014000254		JP		5-Dec-28	5-Dec-08	Multi channel Wimax MSS
800877	800877-US-NP	US8054793	12/328609	20090154414	US	8-Nov-11	11-May-30	4-Dec-08	EQUIPMENT AND METHOD FOR IMPROVING WORLDWIDE INTEROPERABILITY FOR MICROWAVE ACCESS (WIMAX) NETWORK CAPACITY
800888	800888-US-NP	US6731673	09/504548		us	4-May-04	15-Feb-20	15-Feb-00	SYNCHRONIZATION CHANNEL WITH CYCLIC HIERARCHICAL SEQUENCES AND METHOD FOR CELL SITE SEARCH WITH LOW DETECTOR COMPLEXITY
	800891-US-NP	US7991941	12/014303	20090182925	US	2-Aug-11	8-Feb-29		MEMORY ACCESS ASSIST
800892	800892-US-NP	US8204720	11/756970	20080300834	US	19-Jun-12	7-Aug-29	1-Jun-07	Graph-Based Modeling Apparatus And Techniques SPREADING CODE SELECTION PROCESS FOR
800905	800905-US-NP	US6680902	09/488736		US	20-Jan-04	20-Jan-20	20-Jan-00	SYSTEMS METHOD AND APPARATUS FOR PROVIDING HIGH
800912	800912-US-PCT	US6868520	09/831421		US	15-Mar-05	29-Oct-19	29-Oct-99	QUALITY TRANSMISSIONS IN A TELECOMMUNICATIONS SYSTEM
800918	800918-US-NP	US6768903	09/862051		us	27-Jul-04	27-Nov-22	21-May-01	METHOD FOR CONTROLLING A CHANNEL HANDOVER IN A CELLULAR RADIOCOMMUNICATION NETWORK
800919	800919-US-PCT(1)	U57184771	09/958588		US	27-Feb-07	5-Apr-20	5-Apr-00	METHOD AND SYSTEM FOR SUPPLYING SERVICES TO MOBILE STATIONS IN ACTIVE MODE
800926	800926-US-NP	US7013142	10/081423		US	14-Mar-06	10-Aug-27	14-Mar-06	Communication method, radio network controller and base node for implementing this method
800933	800933-US-PCT	US7228147	10/479110	20040152481	US	5-Jun-07	3-May-23	29-May-02	METHOD FOR CONTROLLING TRANSMISSION POWER
800935	800935-DE-EPA	EP1280286	02291848.6	EP1280286	DE	18-Jun-08	22-Jul-22	22-Jul-02	Closed-loop transmission diversity radio station and transmission control method for such a station
800935	800935-FR-EPA	EP1280286	02291848.6	EP1280286	FR	18-Jun-08	22-Jul-22	22-Jul-02	Closed-loop transmission diversity radio station and transmission control method for such a station
800935	800935-GB-EPA	EP1280286	02291848.6	EP1280286	GB	18-Jun-08	22-Jul-22	22-Jul-02	Closed-loop transmission diversity radio station and transmission control method for such a station
800935	800935-US-NP	U57123942	10/200627		us	17-Oct-06	18-Sep-24	23-Jul-02	Closed-loop transmission diversity radio station and transmission control method for such a station  METHOD FOR CONTROLLING COMMUNICATION
800940	800940-CN-PCT	ZL03805392.6	03805392.6	1640161	CN	25-Aug-10	3-Jan-23	3-Jan-03	CHANNELS AND BASE STATION AND TERMINAL THEREFOR PROCEDE DE CONTROLE DE CANAUX DE
800940	800940-DE-EPT	EP1461969	03712204.1	EP1461969	DE	13-Mar-13	3-Jan-23		COMMUNICATION ET STATION DE BASE ET TERMINAI METTANT EN OEUVRE LE PROCEDE PROCEDE DE CONTROLE DE CANAUX DE
800940	800940-FR-EPT	EP1461969	03712204.1	EP1461969	FR	13-Mar-13	3-Jan-23	3-Jan-03	COMMUNICATION ET STATION DE BASE ET TERMINAI METTANT EN OEUVRE LE PROCEDE
800940	800940-GB-EPT	EP1461969	03712204.1	EP1461969	GB	13-Mar-13	3-Jan-23	3-Jan-03	PROCEDE DE CONTROLE DE CANAUX DE COMMUNICATION ET STATION DE BASE ET TERMINAI METTANT EN OEUVRE LE PROCEDE METHOD FOR CONTROLLING COMMUNICATION
800940	800940-US-PCT	US7881257	10/500900	20050176435	US	1-Feb-11	5-Oct-26	3-Jan-03	CHANNELS AND BASE STATION AND TERMINAL THEREFOR

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FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	HILE
800942	800942-EP-EPA		03291006.9	EP1359776	EP		24-Apr-23	24-Apr-03	Method for controlling the exchange of frames between a control unit and at least one radio station, and control unit therefor
800944	800944-US-PCT		10/510274	20050118993	US		18-Feb-23	18-Feb-03	Method for controlling radio resources assigned to a
800954	800954-FR-EPA	EP1427157	03292885.5	EP1427157	FR	8-Feb-06	20-Nov-23	20-Nov-03	Method for detecting a signal and receiver system for the implementation of the metho
800954	800954-GB-EPA	EP1427157	03292885.5		GB	8-Feb-06	20-Nov-23	20-Nov-03	Method for detecting a signal and receiver system for the implementation of the metho
800960	800960-US-NP	US7653016	10/875823	20050026622	US	26-Jan-10	24-Mar-27	24-Jun-04	Method of controlling access to resources of a radiocommunication network and base station for implementing the method
800960	800960-DE-EPA	EP1492251	04014728.2	EP1492251	DE	28-Oct-09	11-Jun-24	11-Jun-04	Method of controlling access to resources of a radiocommunication network and base station for implementing the method
800960	800960-FR-EPA	EP1492251	04014728.2	EP1492251	FR	28-Oct-09	11-Jun-24	11-Jun-04	Method of controlling access to resources of a radiocommunication network and base station for implementing the method.
800960	800960-GB-EPA	EP1492251	04014728.2	EP1492251	GB	28-Oct-09	11-Jun-24	11-Jun-04	implementing the method
801007	801007-US-NP	US6370356	09/174894		US	8-Apr-02	19-Oct-18	19-Oct-98	Apparatus and method for frequency band scanning in a mobile communication system
801014	801014-US-NP	US8218740	11/880749	20090028133	US	10-Jul-12	5-May-31	24-Jul-07	Method For Providing Hysteresis To Fluctuating Signaling Link
801015	801015-US-NP	US8130933	11/879846	20090022300	US	6-Mar-12	3-Jan-31	19-Jul-07	Method For Recovery From Linkset Failure In Telecommunications Network
801027	801027-EP-EPA		08104088.3		EP		26-May-28	26-May-08	EDPCCH ENHANCED DECODING  Receiving Multicast Traffic At Non-Designated
801054	801054-US-NP	US8576702	11/710136	20080205395	US	5-Nov-13	4-Jul-28	23-Feb-07	Routers
801065 801081	801065-EP-EPA 801081-US-NP	US8432894	08157138.2 11/712161		US	30-Apr-13	29-May-28 15-Jul-29		ServerSequence application programming interface Asymmetrical Forwarding In Layer 3 IP VPNs
		058432894				30-Apr-13	15-301-29		
801156 801162	801156-IN-PCT 801162-US-NP	US7801045	6577/CHENP/2010 11/765385	6577/CHENP/2010 20080316921	US	21-Sep-10	19-Jun-27	9-Apr-09 19-Jun-07	DRM Controlled Timed Deliver Hierarchical Rate Limiter With Proportional Limiting
801182	801182-CN-PCT	ZL200880125893	200880125893.5	CN101933304A	CN	19-Nov-14	29-Jan-28	29-Jan-08	Uplink Ranging Assistant Downlink Time Difference
		.5			EP	15-1404-14			of Arrival (URAD-TDoA) Uplink Ranging Assistant Downlink Time Difference
801182	801182-EP-EPT		08700750.6	EP2239913			29-Jan-28	29-Jan-08	of Arrival (URAD-TDoA)  Uplink Ranging Assistant Downlink Time Difference
801182	801182-IN-PCT		4655/CHENP/2010	4655/CHENP/2010			29-Jan-28	29-Jan-08	of Arrival (URAD-TDoA) Uplink Ranging Assistant Downlink Time Difference
801182	801182-JP-PCT	JP5461434	2010544554	2011517144	JP	24-Jan-14	29-Jan-28	29-Jan-08	of Arrival (URAD-TDoA) Uplink Ranging Assistant Downlink Time Difference
801182	801182-KR-PCT	KR101500310	1020107019185		KR	3-Mar-15	29-Jan-28	29-Jan-08	of Arrival (URAD-TDoA)
801182	801182-US-PCT	US8588087	12864411	20110019567	US	19-Nov-13	16-Dec-28	29-Jan-08	Method For Positioning Mobile Devices And Apparatus For Positioning Mobile Devices
801241	801241-US-NP	US8751683	11/972173	20080228943	US	10-Jun-14	14-Jul-31	10-Jan-08	Failure Protection In A Provider Backbone Bridge Network Using Selective Redirection
801254	801254-US-NP	US8606940	12/012878	20090198800	US	10-Dec-13	8-Aug-29	6-Feb-08	DHCP Address Conflict Detection/Enforcement
801256	801256-US-NP	US8036128	11/905239	20090086636	US	11-Oct-11	19-Jun-28	28-Sep-07	A SYSTEM AND METHOD TO OVERLAY ADVANCED BACKPRESSURE TECHNIQUES ONTO EXISTING LEGACY SYSTEMS
801258	801258-US-NP	US9047421	12/112917	20090276550	US	2-Jun-15	8-Feb-33	30-Apr-08	Serial Link Buffer Fill-Level Compensation Using Multi Purpose Start Of Protocol Data Unit Timing Characters
801261	801261-US-NP	US7724756	12/000151	20090147796	US	25-May-10	29-Jun-28	10-Dec-07	A SYSTEM AND METHOD TO MONITOR FIFO CONTENTS TO MAXIMIZE I/O BANDWIDTH AND ELIMINATE PACKET UNDER-RUN ERRORS
801268	801268-US-NP	US7728627	12/204139	20100052766	US	1-Jun-10	4-Sep-28	4-Sep-08	INTELLIGENT EMBEDDED POWER RAIL AND CONTROL SIGNAL SEQUENCER
801325	801325-DE-EPA	EP2009827	08305348.8	EP2009827	DE	15-Sep-10	27-Jun-28	27-Jun-08	Optical Time De-multiplexing node in WDM regime
801325	801325-ES-EPA	EP2009827	08305348.8	EP2009827	ES	15-Sep-10	27-Jun-28	27-Jun-08	Optical Time De-multiplexing node in WDM regime
801325	801325-FR-EPA	EP2009827	08305348.8	EP2009827	FR	15-Sep-10	27-Jun-28	27-Jun-08	Optical Time De-multiplexing node in WDM regime
801325	801325-GB-EPA	EP2009827	08305348.8	EP2009827	GB	15-Sep-10	27-Jun-28	27-Jun-08	Optical Time De-multiplexing node in WDM regime
801325	801325-IT-EPA	EP2009827	08305348.8	EP2009827	п	15-Sep-10	27-Jun-28	27-Jun-08	Optical Time De-multiplexing node in WDM regime
801365	801365-EP-EPA		07291175.3	EP2043002	EP		28-Sep-27	28-Sep-07	Method and computer program product for publishing a semantic service to a service registry
801373	801373-CN-NP	ZL200810212494 .4	200810212494.4	101383769	CN	11-May-11	2-Sep-28	2-Sep-08	Method For Establishing A Bidirectional Point-To- Point Connection
801373	801373-EP-EPA		08163450.3	EP2031798	EP		2-Sep-28	2-Sep-08	PROCEDE D'ETABLISSEMENT D'UNE CONNEXION BIDIRECTIONNELLE POINT A MULTIPOINT
801373	801373-FR-NP	FR2920624	0757329	2920624	FR	12-Mar-10	3-Sep-27	3-Sep-07	PROCEDE D'ETABLISSEMENT D'UNE CONNEXION BIDIRECTIONNELLE POINT A MULTIPOINT
801373	801373-KR-PCT	KR101202210	20107007234	20100063776	KR	12-Nov-12	2-Sep-28	2-Sep-08	Method For Establishing A Bidirectional Point-To- Point Connection
801373	801373-US-NP	US8514850	12/201372	20090077237	US	20-Aug-13	22-Apr-29	29-Aug-08	Method For Establishing A Bidirectional Point-To- Point Connection
801384	801384-US-NP	US7865591	11/986265	20090132696	US	4-Jan-11	16-Feb-29	7-Nov-07	DHCP Diagnostics Tool for Telecommunication Networks
801477	801477-EP-EPA		07290568.0	EP1988700	EP		4-May-27	4-May-07	PROCEDE DE TAXATION DE SERVICES TEL QUE PUSH MAIL
801489	801489-KR-PCT	KR101498913	20107002614		KR	27-Feb-15	7-Aug-28	7-Aug-08	MAIL Methods For Using The ADSLs To Bridge The PSTN Traffic To The Internet
801501	801501-US-NP	US7974531	11/781429	20090030664	us	5-Jul-11		-	System and Method for Visualization and Determination of NE Customer Input to Output Fiber
									DWDM Signal Paths

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FAMILY	reference	Grant Number	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	nne
801516	801516-DE-EPA	EP2066049	07291428.6	EP2066049	DE	2-Mar-11	30-Nov-27	30-Nov-07	Self Testing & Self Calibration Configuration for Homodyne Transceiver Systems
801516	801516-FR-EPA	EP2066049	07291428.6	EP2066049	FR	2-Mar-11	30-Nov-27	30-Nov-07	Self Testing & Self Calibration Configuration for Homodyne Transceiver Systems
801516	801516-GB-EPA	EP2066049	07291428.6	EP2066049	GB	2-Mar-11	30-Nov-27	30-Nov-07	Self Testing & Self Calibration Configuration for Homodyne Transceiver Systems
801527	801527-CN-PCT	ZL200780100724 .1	200780100724.1	102204342	CN	5-Nov-14	19-Sep-27	19-Sep-07	Reliable EVDO VoIP to 3G1X Circuit Voice Handoff
801527	801527-US-PCT	US8346259	12678464	20100291930	US	1-Jan-13	13-Jan-28	19-Sep-07	Method For Hand-Over Of Terminal, Network Element, Base Station, And Communication System
801527	801527-KR-PCT	KR101420605	20107008370		KR	11-Jul-14	19-Sep-27	19-Sep-07	Reliable EVDO VoIP to 3G1X Circuit Voice Handoff
801527	801527-JP-PCT	JP5031902	2010525177	2010539824	JP	6-Jul-12	19-Sep-27	19-Sep-07	Method For Hand-Over Of Terminal, Network Element, Base Station, And Communication System
801543	801543-CN-PCT	ZL200880123758 .7	200880123758.7	CN101910900A	CN	13-Jun-12	8-Jan-28	8-Jan-08	Tunable Chromatic Dispersion Compensator
801543	801543-DE-EPT				DE				Tunable Chromatic Dispersion Compensator Comprising An Eye Piece And Use Of Such Eye Piece
801543	801543-EP-EPT		08700613.6	EP2240808	EP		8-Jan-28	8-Jan-08	Tunable Chromatic Dispersion Compensator Comprising An Eye Piece And Use Of Such Eye Piece
801543	801543-FR-EPT				FR				Tunable Chromatic Dispersion Compensator Comprising An Eye Piece And Use Of Such Eye Piece
801543 801543	801543-GB-EPT 801543-JP-PCT	JP5357895	2010541671	2011509430	GB JP	6-Sep-13	8-Jan-28	8-Jan-08	Tunable Chromatic Dispersion Compensator Comprising An Eye Piece And Use Of Such Eye Piece Tunable Chromatic Dispersion Compensator
801543	801543-US-PCT	US8238031	12/735340	20100302645	US	7-Aug-12	16-Mar-28	8-Jan-08	Eye Piece And Tunable Chromatic Dispersion Compensator Using The Same
801575	801575-DE-EPA	EP2026616	07301305.4	EP2026616	DE	20-Oct-10	10-Aug-27	10-Aug-07	Method for joint and cooperative operation of different wireless communication systems in the same frequency band (channel)
801575	801575-FR-EPA	EP2026616	07301305.4	EP2026616	FR	20-Oct-10	10-Aug-27	10-Aug-07	Method for joint and cooperative operation of different wireless communication systems in the same frequency band (channel)
801575	801575-GB-EPA	EP2026616	07301305.4	EP2026616	GB	20-Oct-10	10-Aug-27	10-Aug-07	Method for joint and cooperative operation of different wireless communication systems in the same frequency band (channel)
801622	801622-IN-PCT		7715/CHENP/2010	7715/CHENP/2010	IN		8-Apr-29	8-Apr-09	Synchronised multi-cell multi-stream beamforming with self-optimising patterns
801622	801622-US-NP	US8055303	12/472712	20090296663	US	8-Nov-11	24-Apr-30	27-May-09	Synchronised multi-cell multi-stream beamforming with self-optimising patterns
801657	801657-DE-EPA	EP2020772	08305437.9	EP2020772	DE	29-Sep-10	30-Jul-28	30-Jul-08	Quality of Transmission Estimator accounting for the optical routing in a transparent network
801657	801657-FR-EPA	EP2020772	08305437.9	EP2020772	FR	29-Sep-10	30-Jul-28	30-Jul-08	Quality of Transmission Estimator accounting for the optical routing in a transparent network
801657	801657-GB-EPA	EP2020772	08305437.9	EP2020772	GB	29-Sep-10	30-Jul-28	30-Jul-08	Quality of Transmission Estimator accounting for the optical routing in a transparent network
801714	801714-EP-EPT		08759700.1	EP2171942	EP		16-May-28	16-May-08	PROCEDE DE GESTION DES COMMUNICATIONS DANS UN SYSTEME DE RADIOCOMMUNICATION CELLULAIRE, ET EQUIPEMENTS POUR LA MISE EN OEUVRE DE CE PROCEDE
801714	801714-FR-NP	FR2917936	0755868	2917936	FR	21-Aug-09	19-Jun-27	19-Jun-07	PROCEDE DE GESTION DES COMMUNICATIONS DANS UN SYSTEME DE RADIOCOMMUNICATION CELLULAIRE, ET EQUIPEMENTS POUR LA MISE EN BYRE DE CE PROCEDE
801729	801729-EP-EPA		07301301.3	EP2026272	EP		9-Aug-27	9-Aug-07	SHOPPING BASKET PROVIDED WITH PROFILED ITEMS AS A FUNCTION OF LOCATION AND USER PROFILE
801791 801822	801791-US-NP	US8243591	12/068804	20090201909 EP2071475	US EP	14-Aug-12	16-Jun-31	12-Feb-08	Method And Tool For Router Interface L2 Redundancy
801823	801822-EP-EPA 801823-US-NP	US8601454	07301645.3 12/333452	20090158263	US	3-Dec-13	7-Dec-27 9-Jun-32		Semantic Cookie Device And Method For Automatically Optimizing Composite Applications Having Orchestrated Activities
801830	801830-DE-EPA	EP2068608	07291465.8	EP2068608	DE	3-Mar-10	6-Dec-27	6-Dec-07	Sliding Air Filter for Horizontal Electronic Boards Equipments
801830	801830-FR-EPA	EP2068608	07291465.8	EP2068608	FR	3-Mar-10	6-Dec-27	6-Dec-07	Sliding Air Filter for Horizontal Electronic Boards Equipments
801830	801830-GB-EPA	EP2068608	07291465.8	EP2068608	GB	3-Mar-10	6-Dec-27	6-Dec-07	Sliding Air Filter for Horizontal Electronic Boards Equipments
801876	801876-DE-EPT	EP2208310	08805049.7	EP2208310	DE	31-Jul-13	3-Oct-28	3-Oct-08	PROCÉDÉ DE FOURNITURE DYNAMIQUE DE FLUX DE SERVICE À DES TERMINAUX DE COMMUNICATION CONNECTÉS À UNE ZONE MBS DEUN RÉSEAU LOCAL DE COMMUNICATION SANS FIL, ET STATION DE BASE ET SERVEUR MBS ASSOCIÉS
801876	801876-FR-EPT	EP2208310	08805049.7	EP2208310	FR	31-Jul-13	3-Oct-28	3-Oct-08	PROCÉDÉ DE FOURNITURE DYNAMIQUE DE FLUX DE SERVICE À DES TERMINAUX DE COMMUNICATION CONNECTÉS À UNE ZONE MES D'UN RÉSEAU LOCAL DE COMMUNICATION SANS FIL, ET STATION DE BASE ET SERVEUR MBS ASSOCIÉS
801876	801876-GB-EPT	EP2208310	08805049.7	EP2208310	GB	31-Jul-13	3-Oct-28	3-Oct-08	PROCÉDÉ DE FOURNITURE DYNAMIQUE DE FLUX DE SERVICE À DES TERMINAUX DE COMMUNICATION CONNECTÉS À UNE ZONE MBS DEUN RÉSEAU LOCAL DE COMMUNICATION SANS FIL, ET STATION DE BASE ET SERVEUR MBS ASSOCIÉS

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	Application Number	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	H11E
801892	801892-EP-EPA		09150716.0	EP2086166	EP		16-Jan-29	16-Jan-09	PROCEDE ET SYSTEME DE CONTROLE PAR ECHO DE LA FOURNITURE DE CONTENUS MES DANS UNE ZONE MBS D'UN RESEAU DE COMMUNICATION
801892	801892-FR-NP	FR2926693	0850311	2926693	FR	7-May-10	18-Jan-28	18-Jan-08	PROCEDE ET SYSTEME DE CONTROLE PAR ECHO DE LA FOURNITURE DE CONTENUS MBS DANS UNE ZONE MBS D'UN RESEAU DE COMMUNICATION
801902	801902-DE-EPA	EP2196817	08291162.9	EP2196817	DE	27-Apr-16	10-Dec-28	10-Dec-08	Satellite based measurement principles for antenna state variables
801902	801902-FR-EPA	EP2196817	08291162.9	EP2196817	FR	27-Apr-16	10-Dec-28	10-Dec-08	Satellite based measurement principles for antenna state variables
801902	801902-GB-EPA	EP2196817	08291162.9	EP2196817	GB	27-Apr-16	10-Dec-28	10-Dec-08	Satellite based measurement principles for antenna state variables
801919	801919-US-NP	US8964571	12/144120	20090010257	US	24-Feb-15	14-Apr-28	23-Jun-08	Method And Apparatus For Simultaneous Support Of Fast Restoration And Native Multicast In IP Networks
801939	801939-EP-EPA		07291512.7	EP2071546	EP		12-Dec-27	12-Dec-07	SYSTEM FOR DETERMINING A GEOGRAPHICAL LOCATON, A RELATED GEOGRAPHICAL MAP, AND A RELATED RESOLUTION SERVER
801939	801939-IN-PCT		3541/CHENP/2010	3541/CHENP/2010	IN		27-Nov-28	27-Nov-08	FACILITATE AND ENRICH TOURISM EXPERIENCE WITH AUTOID
801963	801963-DE-EPA	EP2053771	07291299.1	EP2053771	DE	14-Apr-10	26-Oct-27	26-Oct-07	PROCESS OPTIMIZING THE WDM AMPLIFICATION IN TRANSPARENT NETWORKS
801963	801963-FR-EPA	EP2053771	07291299.1	EP2053771	FR	14-Apr-10	26-Oct-27	26-Oct-07	PROCESS OPTIMIZING THE WDM AMPLIFICATION IN TRANSPARENT NETWORKS
801963	801963-GB-EPA	EP2053771	07291299.1	EP2053771	GB	14-Apr-10	26-Oct-27	26-Oct-07	PROCESS OPTIMIZING THE WDM AMPLIFICATION IN TRANSPARENT NETWORKS
801997	801997-IN-PCT		5804/CHENP/2010	5804/CHENP/2010	IN		23-Feb-29	23-Feb-09	SMART MATCHING
802015	802015-DE-EPA	EP2086158	08290079.6	EP2086158	DE	22-Jun-11	29-Jan-28		Clock recovery scheme for optical coherent receiver
802015	802015-FR-EPA	EP2086158	08290079.6	EP2086158	FR	22-Jun-11	29-Jan-28		Clock recovery scheme for optical coherent receiver
802015	802015-GB-EPA	EP2086158	08290079.6	EP2086158	GB	22-Jun-11	29-Jan-28		Clock recovery scheme for optical coherent receiver
	802027-EP-EPA	11 2000130	08290377.4	EP2111019	EP	22 3011 11			Method for Simultaneous access to Home and visited
802027	8UZUZ7-EP-EPA		08290377.4	EP2111019	tr		17-Apr-28	17-Apr-08	networks services in roaming
802046	802046-EP-EPA		08382032.4	EP2150066	EP		29-Jul-28	29-Jul-08	MEASURING IDEAL DECODER CHANGE CHANNEL TIME IN COMPRESSED VIDEO PLATFORMS
802103	802103-KR-PCT	KR101464951	20107023095		KR	19-Nov-14		18-Mar-08	Method and apparatus to automatically send called party available alert to calling party
802128 802128	802128-DE-EPA 802128-FR-EPA	EP2071754 EP2071754	07291477.3 07291477.3	EP2071754 EP2071754	DE FR	10-Feb-10 10-Feb-10		10-Dec-07 10-Dec-07	Polarization multiplexed optical OFDM Polarization multiplexed optical OFDM
802128	802128-GB-EPA	EP2071754	07291477.3	EP2071754	GB	10-Feb-10			Polarization multiplexed optical OFDM
802245	802245-EP-EPA		07291406.2	EP2063437	EP		26-Nov-27	26-Nov-07	Micro Coax Cable with foamed PFA dielectric and corrugated outer conductor
802258	802258-US-NP	US8195832	12/001648	20090158006	US	5-Jun-12	2-Oct-29	12-Dec-07	Facilitating Management of Layer 2 Hardware Address Table Based on Packet Priority Information
802274	802274-EP-EPA		07291191.0	EP2046063	EP		2-Oct-27	2-Oct-07	METHOD FOR RATE ONTROL OF MULTIMEDIA STREAMS AND APPARATUS FOR PERFORMING THIS METHOD
802306	802306-DE-EPA	EP2066050	08170088.2	EP2066050	DE	30-May-12	27-Nov-28	27-Nov-08	Transport synchronization for multicast over radio for mobile users
802306	802306-FR-EPA	EP2066050	08170088.2	EP2066050	FR	30-May-12	27-Nov-28	27-Nov-08	Transport synchronization for multicast over radio for mobile users
802306	802306-GB-EPA	EP2066050	08170088.2	EP2066050	GB	30-May-12	27-Nov-28	27-Nov-08	Transport synchronization for multicast over radio for mobile users
802334	802334-IN-NP		627/DEL/2008		IN		12-Mar-28	12-Mar-08	Dynamic Adaptation of size and frequency for Ranging and Bandwidth request allocations for IEEE 802.16e OFDMA Physical Layer
802334	802334-EP-EPA		09154934.5	EP2101532	EP		11-Mar-29	11-Mar-09	Dynamic Adaptation of size and frequency for Ranging and Bandwidth request allocations for IEEE 802.16e OFDMA Physical Layer
802364	802364-US-CIP	US7904546	11/349061		US	8-Mar-11	20-Jul-27	6-Feb-06	System and Method for Enabling Management Functions in a Network
802364	802364-US-CIP[2]	US8990365	11/349031		US	24-Mar-15	27-May-28	6-Feb-06	Processing Management Packets
802366	802366-US-NP	US7574589	11/123864		us	11-Aug-09	12-Mar-28	5-May-05	Booting Intelligent Components by a Shared Resource
802373	802373-US-NP	US9172629	11/323317		US	27-Oct-15	6-Jan-31	29-Dec-05	Classifying Packets METHOD AND HYBRID CIRCUIT FOR ATTENUATING
802402	802402-US-NP	US7929469	12/386288	20090270039	US	19-Apr-11	17-Jul-29	16-Apr-09	l .
802470	802470-US-NP	US7783193	11/754341	20070280700	US	24-Aug-10	23-Nov-28	28-May-07	NOISE TONE AVOIDANCE IN OPTICAL NETWORKS
802477	802477-US-NP	US8031721	12/029667	20090201942	us	4-Oct-11	11-Sep-28	12-Feb-08	USING DUAL RATE SCHEDULER TO MARK PROFILE STATE PER-PACKET
802488	802488-FR-EPA	EP2139288	09163216.6	EP2139288	FR	20-Mar-13	19-Jun-29	19-Jun-09	PROCEDE PERMETTANT DE LOCALISER UN POINT D'ACCES RADIO D'UN RESEAU DE TELECOMMUNICATION
802488	802488-GB-EPA	EP2139288	09163216.6	EP2139288	GB	20-Mar-13	19-Jun-29	19-Jun-09	PROCEDE PERMETTANT DE LOCALISER UN POINT D'ACCES RADIO D'UN RESEAU DE TELECOMMUNICATION
802488	802488-DE-EPA	EP2139288	09163216.6	EP2139288	DE	20-Mar-13	19-Jun-29	19-Jun-09	PROCEDE PERMETTANT DE LOCALISER UN POINT D'ACCES RADIO D'UN RESEAU DE TELECOMMUNICATION
802576	802576-US-NP	US7797823	11/967756	20090168348	US	21-Sep-10	25-Jun-28	31-Dec-07	HIGH DENSITY VENTILATION ASSEMBY
802593	802593-EP-EPA		09151884.5	EP2086264	EP		2-Feb-29	2-Feb-09	PROCEDE POUR GERER L'ACCES D'UN EQUIPEMENT UTILISATEUR A UNE INFRASTRUCTURE DE RESEAU DE RADIOCOMMUNICATION, POINT D'ACCES DE L'INFRASTRUCTURE, ET EQUIPEMENT UTILISATEUR, POUR LA MISE EN OEUVRE DU PROCEDE
802594	802594-EP-EPT		08789636.1	EP2218241	EP		12-May-28	12-May-08	enhanced RUA with RTSP facilities

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	CASE REFERENCE	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY		EXPERATION DATE	APPLICATION DATE	NILE
	802610-EP-EPA	The same of the sa	08300142.0	EP2101452	EP	Jer Prof. Co.	13-Mar-28	13-Mar-08	PUBER ¿ Protection with Unidirectional-LSPs for
802648	802648-DE-EPT	EP2301233	08774445.4		DE	25-Apr-12	27-Jun-28	27-Jun-08	Bidirectional End-To-End Recovery  CCBS Screening For Blacklisted Networks In IMS
	802648-FR-EPT	EP2301233	08774445.4		FR	25-Apr-12	27-Jun-28	27-Jun-08	Networks  CCBS Screening For Blacklisted Networks In IMS
802648	802648-GB-EPT	EP2301233	08774445.4		GB	25-Apr-12	27-Jun-28	27-Jun-08	Networks  CCBS Screening For Blacklisted Networks In IMS
802671	802671-US-NP	US7046634	10/121654		US	16-May-06	6-Jan-25	15-Apr-02	Networks  Method and Apparatus for Selecting Maximally
						·			Disjoint Shortest Paths in a Network  Best companion beam index and CQI reporting for
	802702-DE-EPA	EP2166807	08305573.1		DE	1-Dec-10	19-Sep-28	19-Sep-08	multiuser-MIMO precoding  Best companion beam index and CQI reporting for
	802702-FR-EPA	EP2166807	08305573.1		FR	1-Dec-10	19-Sep-28	19-Sep-08	multiuser-MIMO precoding  Best companion beam index and CQI reporting for
	802702-GB-EPA	EP2166807	08305573.1	EP2166807	GB	1-Dec-10	19-Sep-28	19-Sep-08	multiuser-MIMO precoding  Methods and Systems Preventing Frame Mis-
	802704-US-NP	US7525960	10/140997	20030210693	US	28-Apr-09	5-Dec-23	9-May-02	Ordering in Explicitly Routed Networks A Switch and a Switching Apparatus for a
802715	802715-US-NP	US7170895	10/108515		US	30-Jan-07	7-Aug-25	29-Mar-02	Communication Network Set pointer to a vCard about few videoconference
802732	802732-IN-PCT		5881/CHENP/2010	5881/CHENP/2010	IN		20-Mar-29	20-Mar-09	part A method for radio link adaption of a channel
802748	802748-DE-EPA	EP2139138	08305317.3	EP2139138	DE	19-Jun-13	24-Jun-28	24-Jun-08	between a first network element and a second network, a network element and a communication network therefor
802748	802748-FR-EPA	EP2139138	08305317.3	EP2139138	FR	19-Jun-13	24-Jun-28	24-Jun-08	A method for radio link adaption of a channel between a first network element and a second network, a network element and a communication network therefor
802748	802748-GB-EPA	EP2139138	08305317.3	EP2139138	GB	19-Jun-13	24-Jun-28	24-Jun-08	A method for radio link adaption of a channel between a first network element and a second network, a network element and a communication network therefor
802762	802762-CN-PCT	ZL201080007760 .5	201080007760.5	102318400	CN	18-Feb-15	8-Jan-30	8-Jan-10	Preferred attachment of MS on Femto cell of customer
802762	802762-DE-EPT	EP2386175	10706697.9	EP2386175	DE	27-Jul-16	8-Jan-30	8-Jan-10	Preferred attachment of MS on Femto cell of customer
802762	802762-FR-EPT	EP2386175	10706697.9	EP2386175	FR	27-Jul-16	8-Jan-30	8-Jan-10	Preferred attachment of MS on Femto cell of customer
802762	802762-GB-EPT	EP2386175	10706697.9	EP2386175	GB	27-Jul-16	8-Jan-30	8-Jan-10	Preferred attachment of MS on Femto cell of customer
802762	802762-JP-PCT	JP5404813	2011544907	2012514927	JP	8-Nov-13	8-Jan-30	8-Jan-10	Preferred attachment of MS on Femto cell of customer
802762	802762-US-PCT	US8655365	13/143407	20110269467	US	18-Feb-14	10-Jun-30	8-Jan-10	Method For Managing Radio Links Within A Radio Communication System With Mobile Units, And Equipment Adapted To Implementing The Method
802770	802770-DE-EPA	EP2139290	08305285.2	EP2139290	DE	7-Sep-16	19-Jun-28	19-Jun-08	Limit allocated bandwidth in an OFDM system with dynamic set of resources
802770	802770-FR-EPA	EP2139290	08305285.2	EP2139290	FR	7-Sep-16	19-Jun-28	19-Jun-08	Limit allocated bandwidth in an OFDM system with dynamic set of resources
802770	802770-GB-EPA	EP2139290	08305285.2	EP2139290	GB	7-Sep-16	19-Jun-28	19-Jun-08	Limit allocated bandwidth in an OFDM system with dynamic set of resources
802773	802773-KR-PCT	KR101526911	20107028408		KR	2-Jun-15	29-Jul-28	29-Jul-08	Capability Sharing architecture and Implementation In IM or community Network
802778	802778-US-PCT	US9037727	13/000778	20110270993	US	19-May-15	6-Sep-28	27-Jun-08	Capability Grabbing Peer Device Functionality In SIP
802797	802797-KR-PCT	KR101440670	20107028231		KR	4-Sep-14	15-May-28	15-May-08	End to End overload Control for Diameter Applications
802830	802830-DE-EPA	EP2152049	08305459.3	EP2152049	DE	17-Jul-13	8-Aug-28	8-Aug-08	Crosstalk reduction by field cancellation on PCB tracks
802830	802830-FR-EPA	EP2152049	08305459.3	EP2152049	FR	17-Jul-13	8-Aug-28	8-Aug-08	Crosstalk reduction by field cancellation on PCB tracks
802830	802830-GB-EPA	EP2152049	08305459.3	EP2152049	GB	17-Jul-13	8-Aug-28	8-Aug-08	Crosstalk reduction by field cancellation on PCB tracks
802887	802887-DE-EPA	EP2134007	08290558.9	EP2134007	DE	29-May-13	13-Jun-28	13-Jun-08	Optical band allocation reducing the optical crosstalk in transparent networks
802887	802887-FR-EPA	EP2134007	08290558.9	EP2134007	FR	29-May-13	13-Jun-28	13-Jun-08	Optical band allocation reducing the optical crosstalk in transparent networks
802887	802887-GB-EPA	EP2134007	08290558.9	EP2134007	GB	29-May-13	13-Jun-28	13-Jun-08	Optical band allocation reducing the optical crosstalk in transparent networks
802890	802890-DE-EPA	EP2160045	09167359.0	EP2160045	DE	12-Oct-11	6-Aug-29	6-Aug-09	OXC architecture compliant to flexible WDM-packet
802890	802890-FR-EPA	EP2160045	09167359.0	EP2160045	FR	12-Oct-11	6-Aug-29	6-Aug-09	OXC architecture compliant to flexible WDM-packet
802890	802890-GB-EPA	EP2160045	09167359.0	EP2160045	GB	12-Oct-11	6-Aug-29	6-Aug-09	OXC architecture compliant to flexible WDM-packet
802895	802895-US-NP	US7765353	12/060477	20090248938	US	27-Jul-10	9-Jul-28	1-Apr-08	SIMPLE NOISE TO LERANT CARD TO CARD SIGNALING FOR HOT INSERTABLE/REMOVABLE ELECTRICAL CIRCUITS
802941	802941-IN-PCT		5816/CHENP/2010	5816/CHENP/2010	IN		27-Mar-29	27-Mar-09	Automatic e-mail classification for less interesting e- mail
	802941-JP-PCT	JP5124684	2011502353	2011516951	JP	2-Nov-12	27-Mar-29	27-Mar-09	Automatic e-mail classification for less interesting e- mail
	802941-KR-PCT	KR101298960	20107021854	1020100121684	KR	16-Aug-13	27-Mar-29	27-Mar-09	Automatic e-mail classification for less interesting e- mail
									Electronic Message Handling Method Based On A Message System Client And System To Implement
802941	802941-US-NP	US8751585	12/415089	20090300124	US	10-Jun-14	31-Mar-29	31-Mar-09	The Method PROCEDE DE GESTION DE MESSAGES ELECTRONIQUES A PARTIR D'UN CLIENT DE MESSAGERIE ET SYSTEME POUR METTRE EN OEUVRE LE PROCEDE
802941	802941-EP-EPA		09156414.6	EP2107517	EP		27-Mar-29	27-Mar-09	
802974	802974-US-PCT 802974-EP-EPT		12/736286 09742312.3	20110016216 EP2283631	US EP		10-Apr-29 10-Apr-29	10-Apr-09 10-Apr-09	Optimized Negotiation Of Coding Resources Betweer Communication Clients SIP Call Establishment Optimization

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

	Case Reference	Grant Number	application Number	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	HTLE
802977	802977-US-NP	US8014668	12/017041	20100283996	US	6-Sep-11	8-Jul-30	20-Jan-08	METHOD AND SYSTEM FOR DISTRIBUTED MEASUREMENT AND COMPENSATION OF CHROMATIC DISPERSION IN OPTICAL NETWORKS
	802990-EP-EPT		08875842.0	EP2316210	EP		8-Aug-28	8-Aug-08	Enhancements to SIP Forking for offering new/improved user services
	802990-KR-PCT	KR101455125	20117005114		KR	21-Oct-14	8-Aug-28	8-Aug-08	Enhancements to SIP Forking for offering new/improved user services
	803047-EP-EPA	11101433123	08290789.0	EP2159749	EP	21 000 14	20-Aug-28	20-Aug-08	Multi Utility Multi Module Information And Control
803047	803047-EF-EFA		08230783.0	LF2133743	Lr		20-Aug-28	20-Aug-00	MANAGEMENT PLATFORM AND ASSOCIATED METHOD FOR MANAGING SMART METERS
803049	803049-KR-PCT	KR101520748	1020107019187		KR	11-May-15	13-Feb-29	13-Feb-09	Management Platform And Associated Method For
803049	803049-US-NP	US8145540	12/393643	20090222828	US	27-Mar-12	23-Apr-30	26-Feb-09	Managing Smart Meters  MANAGEMENT PLATFORM AND ASSOCIATED
803049	803049-JP-PCT	JP5307837	2010-548001	2011514062	JP	5-Jul-13	13-Feb-29	13-Feb-09	METHOD FOR MANAGING SMART METERS
	803076-EP-EPA	31 3307037	09290142.0	EP2224767	EP	3 301 13	27-Feb-29	27-Feb-09	Low Complexity Resource Allocation Algorithm
	803078-DE-EPA	EP2169886	09170057.5	EP2169886	DE	29-Apr-15	11-Sep-29	11-Sep-09	PROCEDE POUR COMMANDER AU MOINS UNE FONCTION D'UN CLIENT DE MESSAGERIE INSTANTANEE
603076	803U78-DE-EPA		09170037.3	EF2105000	DE	29-Apr-13	11-3ep-2 <del>3</del>	11-зер-оз	PROCEDE POUR COMMANDER AU MOINS UNE FONCTION D'UN CLIENT DE MESSAGERIE
803078	803078-FR-EPA	EP2169886	09170057.5	EP2169886	FR	29-Apr-15	11-Sep-29	11-Sep-09	INSTANTANEE PROCEDE POUR COMMANDER AU MOINS UNE
803078	803078-FR-NP	FR2936386	0856437	2936386	FR	16-Sep-11	25-Sep-28	25-Sep-08	FONCTION D'UN CLIENT DE MESSAGERIE INSTANTANEE
									PROCEDE POUR COMMANDER AU MOINS UNE FONCTION D'UN CLIENT DE MESSAGERIE
803078	803078-GB-EPA	EP2169886	09170057.5	EP2169886	GB	29-Apr-15	11-Sep-29	11-Sep-09	INSTANTANEE  Method for switching a client terminal from an idle
803113	803113-DE-EPA	EP2148541	08290713.0	EP2148541	DE	7-Sep-11	21-Jul-28	21-Jul-08	mode to an active mode  Method for switching a client terminal from an idle
803113	803113-FR-EPA	EP2148541	08290713.0	EP2148541	FR	7-Sep-11	21-Jul-28	21-Jul-08	mode to an active mode  Method for switching a client terminal from an idle
803113	803113-GB-EPA	EP2148541	08290713.0	EP2148541	GB	7-Sep-11	21-Jul-28	21-Jul-08	mode to an active mode IMPROVING RELIABILITY OF A GTL BACKPLANE BUS
803135	803135-US-NP	US7675325	12/114463	20090273369	US	9-Mar-10	2-May-28	2-May-08	SYSTEM
803145	803145-JP-PCT	JP5631303	2011508985	2011521341	JP	17-Oct-14	14-May-29	14-May-09	Method And Device For Resource Management Recording Medium For Said Method
803145	803145-US-PCT		12/926268	20110313970	US		14-May-29	14-May-09	Method And Device For Resource Management Recording Medium For Said Method
803157	803157-EP-EPA		09167677.5	EP2164237	EP		12-Aug-29	12-Aug-09	Enriched Instant Messaging PROCEDE ET SYSTEME DE COMMUNICATION POUR
803157	803157-FR-NP	FR2935854	0856126	2935854	FR	18-Feb-11	11-Sep-28	11-Sep-08	L'AFFICHAGE D'UN LIEN VERS UN SERVICE A PARTIR D'UNE EXPRESSION ENONCEE EN COURS DE CONVERSATION
803193	803193-US-NP	US8958407	12/433140	20090279494	US	17-Feb-15	24-Apr-33	30-Apr-09	Method For Allocating Frequency Subchannels On An Air Interface Of A Wireless Communication System And Corresponding Radio Resource Allocation Module
803281	803281-US-NP	US8588070	12/588029	20100124234	US	19-Nov-13	19-Oct-30	1-Oct-09	Method For Scheduling Packets Of A Plurality Of Flows And System For Carrying Out The Method
803291	803291-US-PCT	US8509250	12/988600	20110038340	US	13-Aug-13	16-Dec-29	28-Apr-09	Resource Allocation Method And Apparatus Thereof
803365	803365-DE-EPA	EP2203014	08291252.8	EP2203014	DE	10-Sep-14	29-Dec-28	29-Dec-08	Single / Multiple Preparation triggered from Admission Failure
803365	803365-FR-EPA	EP2203014	08291252.8	EP2203014	FR	10-Sep-14	29-Dec-28	29-Dec-08	Single / Multiple Preparation triggered from Admission Failure
803365	803365-GB-EPA	EP2203014	08291252.8	EP2203014	GB	10-Sep-14	29-Dec-28	29-Dec-08	Single / Multiple Preparation triggered from Admission Failure
	803365-KR-PCT	KR101296706	20117017624		KR	8-Aug-13	3-Dec-29	3-Dec-09	Single / Multiple Preparation triggered from Admission Failure
803365	803365-US-NP	US8200224	12/648055	20100167744	US	12-Jun-12	23-Aug-30	28-Dec-09	Handover Method And Apparatus Thereof
803382	803382-EP-EPT		09760615.6	EP2353323	EP		20-Oct-29	20-Oct-09	Location-Based Handovers From A Macrocell To A Femtocell Using Periodic Measurement Reporting
	803410-US-NP	US7406260	10/981591		US	29-Jul-08	1-Feb-27	5-Nov-04	A Method and System for Network Wide Fault Isolation in an Optical Network
	803411-JP-PCT	JP5755154	2011-553383	2012519921	JP	5-Jun-15	24-Feb-30	24-Feb-10	TR-069 IN SESSION TRANSACTION SUPPORT  Method And System For Remote Configuration Of A
803411	803411-US-PCT	U58812628	13/146561	20110314137	US	19-Aug-14	24-Feb-30	24-Feb-10	Device  Methods and Apparatus for Detecting a Faulty Component along an Optical Path in an Optical
	803415-US-NP	US7139069	11/065098		US	21-Nov-06	3-Jun-25	25-Feb-05	Network Optical Wavekey Network and Method for
	803451-US-NP	US7827308	10/733327	20040249976	US	2-Nov-10	28-Nov-27	15-Dec-03	Distributing Management Information Therein Method of providing a successor list
	803462-IN-PCT	KD40422.77	7125/CHENP/2010	7125/CHENP/2010	IN	45.	19-Jun-29	19-Jun-09	Method of providing a successor list
	803462-KR-PCT	KR101224374	20107028992	200002	KR	15-Jan-13	19-Jun-29	19-Jun-09	Method Of Providing A Successor List
	803462-US-NP	US8792331 ZL200910150968	12/492872	20090323696	US	29-Jul-14	23-Jul-29	26-Jun-09	Method for an adaptive neighbour list in p2p
	803462-CN-NP	.1 ED2420000	200910150968.1	CN101616013A	CN	4-Jul-12	29-Jun-29	29-Jun-09	networks Method of providing a successor list
	803462-DE-EPA	EP2139202	08290625.6	EP2139202	DE	28-Mar-12	27-Jun-28	27-Jun-08	Method of providing a successor list
	803462-FR-EPA	EP2139202	08290625.6	EP2139202	FR	28-Mar-12	27-Jun-28	27-Jun-08	Method of providing a successor list
803462	803462-GB-EPA 803463-DE-EPA	EP2139202 EP2278725	08290625.6 10168450.4	EP2139202 EP2278725	GB DE	28-Mar-12 14-Mar-12	27-Jun-28 5-Jul-30	27-Jun-08 5-Jul-10	Method And Apparatus For Processing Wanted Signals, Received By A Node Of A CDMA Communication System, In Order To Estimate The Power Of Thermal Noise

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FAMILY	CASE REFERENCE	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	1111E
									Method And Apparatus For Processing Wanted Signals, Received By A Node Of A CDMA Communication System, In Order To Estimate The
803463	803463-FR-EPA	EP2278725	10168450.4	EP2278725	FR	14-Mar-12	5-Jul-30	5-Jul-10	Power Of Thermal Noise  Method And Apparatus For Processing Wanted Signals, Received By A Node Of A CDMA
803463	803463-GB-EPA	EP2278725	10168450.4	EP2278725	GB	14-Mar-12	5-Jul-30	5-Jul-10	Communication System, In Order To Estimate The Power Of Thermal Noise
803480	803480-CA-NP	CA2453813	2453813	2453813	CA	11-Aug-09	19-Dec-23	19-Dec-03	Method and Apparatus for Compensating for Side Effects of Cross Gain Modulation in Amplified Optical Networks
803480	803480-US-NP	US7127165	10/628418		US	24-Oct-06	30-May-25	29-Jul-03	Method and Apparatus for Compensating for Side Effects of Cross Gain Modulation in Amplified Optical Networks
803481	803481-US-NP	US7529480	10/725025	20040120710	us	5-May-09	2-Jun-25	2-Dec-03	A Method and System for Light Path Monitoring in an Optical Communication Network
803518	803518-US-NP	US8176328	12/211980	20100070771	US	8-May-12	4-Nov-30	17-Sep-08	Authenticaton Of Access Points In Wireless Local Area Networks
803520	803520-US-NP	US8179846	12/206364	20100062781	US	15-May-12	25-Jul-30	8-Sep-08	DPI-Driven Bearer Termination For Short-Lived Applications
803548	803548-US-NP	US8295881	12/378216	20100203873	US	23-Oct-12	26-Mar-30	12-Feb-09	Virtual Card (VCard) Container For Creating and Sending Electronic Business Cards
803569	803569-US-NP	US7929423	12/347642	20100166020	US	19-Apr-11	3-Aug-29	31-Dec-08	MLPPP SEQUENCE NUMBER SYNCHRONIZATION BETWEEN THE ACTIVE AND STANDBY TRANSMITTERS
803606	803606-EP-EPA		08305967.5	EP2200264	EP		18-Dec-28	18-Dec-08	Service: "Are You Available"
803609	803609-US-NP	US6987922	10/440247		US	17-Jan-06	15-Mar-24	19-May-03	Method and Apparatus for Controlling a Variable Optical Attenuator in an Optical Network Method for Determining Locations and Gain Settings
803616	803616-US-NP	US7046426	10/443058		US	16-May-06	13-Mar-24	22-May-03	of Amplifiers in an Optical Network
803627	803627-US-NP	US7580998	10/606896	20040073663	US	25-Aug-09	20-Jul-26	27-Jun-03	A Method for Describing Problems in a Telecommunications Network
803632	803632-US-NP	US7031050	10/607968		US	18-Apr-06	19-Jun-24	30-Jun-03	Method and System for Precision Cross-Talk Cancellation in Optical Amplifiers
803746	803746-DE-EPA	EP2207281	10150120.3	EP2207281	DE	20-Mar-13	5-Jan-30	5-Jan-10	Tunable NRZ/RZ transmission with conventional transceivers Tunable NRZ/RZ transmission with conventional
803746	803746-FR-EPA	EP2207281	10150120.3	EP2207281	FR	20-Mar-13	5-Jan-30	5-Jan-10	transceivers
803746	803746-GB-EPA	EP2207281	10150120.3	EP2207281	GB	20-Mar-13	5-Jan-30	5-Jan-10	Tunable NRZ/RZ transmission with conventional transceivers
803758	803758-US-NP	US6832019	10/440222		US	14-Dec-04	22-Jul-23	19-May-03	Duplex Reflective Re-Configurable Optical Add/Drop Multiplexer
803759	803759-US-NP	US6829406	10/273858		US	7-Dec-04	6-May-23	2-Oct-02	Method and System for Determining Location and Value of Dispersion Compensating Modules in an Optical Network
803760	803760-US-NP	US7184660	10/136407		US	27-Feb-07	28-Feb-24	2-May-02	Method and System for Monitoring Performance of Optical Network
803772	803772-EP-EPA		08167996.1	EP2184679	EP		30-Oct-28	30-Oct-08	Server based ¿drag and drop¿ between web 2.0 widgets
803796	803796-US-NP	US7227866	10/273857		US	5-Jun-07	18-Aug-24	21-Oct-02	Fast Work-Conserving Round Robin Scheduling
803799	803799-US-NP	US7068932	10/260621		US	27-Jun-06	29-Sep-24	1-Oct-02	Method and System for Automatic Initialization of an Optical Network
803800	803800-US-NP	US7127508	10/134553		US	24-Oct-06	1-Jul-24	30-Apr-02	Method and System of Measuring Latency and Packet Loss in a Network
803838	803838-DE-EPA	EP2169825	08290905.2	EP2169825	DE	22-Feb-12	24-Sep-28	24-Sep-08	HIGH-EFFICIENCY DUAL-STATE POWER AMPLIFIER
803838	803838-FR-EPA	EP2169825	08290905.2	EP2169825	FR	22-Feb-12	24-Sep-28	24-Sep-08	HIGH-EFFICIENCY DUAL-STATE POWER AMPLIFIER
803838	803838-GB-EPA	EP2169825	08290905.2	EP2169825	GB	22-Feb-12	24-Sep-28	24-Sep-08	HIGH-EFFICIENCY DUAL-STATE POWER AMPLIFIER
803839	803839-DE-EPA	EP2169823	08290904.5	EP2169823	DE	4-May-11	24-Sep-28	24-Sep-08	COMBINED MULTI-PATH HIGH-EFFICIENCY POWER AMPLIFIER
803839	803839-FR-EPA	EP2169823	08290904.5	EP2169823	FR	4-May-11	24-Sep-28	24-Sep-08	COMBINED MULTI-PATH HIGH-EFFICIENCY POWER AMPLIFIER COMBINED MULTI-PATH HIGH-EFFICIENCY POWER
803839	803839-GB-EPA	EP2169823	08290904.5	EP2169823	GB	4-May-11	24-Sep-28	24-Sep-08	AMPLIFIER Ultra high dispersion, high-efficiency sinusoidal
803895	803895-DE-EPA	EP2199837	08305949.3	EP2199837	DE	4-Apr-12	16-Dec-28	16-Dec-08	grating Ultra high dispersion, high-efficiency sinusoidal
803895	803895-FR-EPA	EP2199837	08305949.3	EP2199837	FR	4-Apr-12	16-Dec-28	16-Dec-08	grating  Ultra high dispersion, high-efficiency sinusoidal
803895	803895-GB-EPA	EP2199837	08305949.3	EP2199837	GB	4-Apr-12	16-Dec-28	16-Dec-08	grating RECEPTION OF ETHERNET PACKETS
803904	803904-DE-EPA	EP2207287	09305021.9	EP2207287	DE	5-Sep-12	9-Jan-29	9-Jan-09	TRANSPORTED OVER A SYNCHRONOUS TRANSPORT NETWORK RECEPTION OF ETHERNET PACKETS
803904	803904-FR-EPA	EP2207287	09305021.9	EP2207287	FR	5-Sep-12	9-Jan-29	9-Jan-09	TRANSPORTED OVER A SYNCHRONOUS TRANSPORT NETWORK
803904	803904-GB-EPA	EP2207287	09305021.9	EP2207287	GB	5-Sep-12	9-Jan-29	9-Jan-09	RECEPTION OF ETHERNET PACKETS TRANSPORTED OVER A SYNCHRONOUS TRANSPORT NETWORK
803907	803907-US-NP	US6981200	10/004441		US	27-Dec-05	18-Aug-23	5-Dec-01	Interconnect System with Error Correction
003000	803008 HE 512	HEZOGOOG	10/022750			14	15.11	24 8	Method and System for Automatic Address Allocation
803908 803909	803908-US-NP 803909-US-NP	US7000029 US6788844	10/023758 10/087863		US	14-Feb-06 7-Sep-04	16-Mar-24 31-Dec-22	21-Dec-01 5-Mar-02	in a Network and Network Protocol Therefor All-Optical Dynamic Gain Equalizer
803910	803910-US-NP	US7012933	10/025872		US	14-Mar-06	15-Aug-24	26-Dec-01	Enhanced Packet Network and Method for Carrying Multiple Packet Streams Within a Single Label Switched Path
803925	803925-DE-EPA	EP2197256	08291163.7	EP2197256	DE	17-Aug-11	10-Dec-28	10-Dec-08	ATCA Board guide rail plate with embedded vortex generator.
803925	803925-FR-EPA	EP2197256	08291163.7	EP2197256	FR	17-Aug-11	10-Dec-28	10-Dec-08	ATCA Board guide rail plate with embedded vortex generator.
803925	803925-GB-EPA	EP2197256	08291163.7	EP2197256	GB	17-Aug-11	10-Dec-28	10-Dec-08	ATCA Board guide rail plate with embedded vortex generator.
803971	803971-US-NP	US6982977	09/981887		US	3-Jan-06	20-Mar-24	19-Oct-01	Label Switched Routing System and Method

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

BIRTISTO   BIRTISTOP	FAMILY	Case Reference		Application Number	PUBLICATION NUMBER	COUNTRY		EXPIRATION DATE	APPLICATION DATE	TITLE
Biblio   B	803982	803982-US-NP	US7092360	10/028286		US	15-Aug-06	20-Aug-24	28-Dec-01	Monitor, System and Method for Monitoring Performance of a Scheduler
20000   200000   200000   200000   200000   200000   20000   20000   20000	803983	803983-US-NP	US6977943	09/969785		US	20-Dec-05	10-Apr-24	4-Oct-01	
March   Marc	803984	803984-US-NP	US6567406	09/464452		US	20-May-03	10-Dec-19	10-Dec-99	A Method of Labeling Data Units with a Domain Field
## 1998   Service Communication   Communicatio	803985	803985-US-NP	US6570849	09/419471		US	27-May-03	15-Oct-19	15-Oct-99	
BORDER	803986	803986-US-NP	US7035209	09/934851		US	25-Apr-06	2-Jul-24	23-Aug-01	Networks
Biolitic   Biolitic   Property   Biolitic	803987	803987-US-NP	US6915463	10/025868		US	5-Jul-05	18-Aug-23	26-Dec-01	Protection Switching
\$1,000,000,000,000,000,000,000,000,000,0	804001	804001-US-NP	US8345680	12/437274	20100284397	US	1-Jan-13	3-Jul-31	7-May-09	Emulation Service
Bellin										Parity Symbols, For A Radio Infrastructure, And
Bit111										
663131   693136-92   10,595730   13,95730   13,95730   10,95731   10,95730	804097	804097-US-NP	US6785737	09/917669		US	31-Aug-04	12-Dec-22	31-Jul-01	Network Resource Allocation Methods and Systems
663131   693136-92   10,595730   13,95730   13,95730   10,95731   10,95730										Cable Spool With Height Adjustment Capability And
B0112	804111	804111-US-NP	US7997520	12/437685	20100282891	US	16-Aug-11	8-May-29	8-May-09	Method Of Performaing The Same
201141	804132	804132-US-NP	US7881439	10/734911		US	1-Feb-11	2-Dec-26	12-Dec-03	
Bill	004137	COALS THE NID	UE0041703	00/652406			10.0 11	0.424	21.400	
B01441   B014412   B0144										Large-Scale Targeted Data Distribution System
B0144(11)   B014	804143	804143-US-NP	US7536290	10/954775		US	19-May-09	30-Aug-25	30-Sep-04	
B0144(11)   B014										System And Method For Remotely Repairing And
BOSTAND   STATE   ST										Maintaining A Telecommunication Service Using
B01144[17]	804144(11)	804144(11)-US-NP	US8533021	12/276279	20090132324	US	10-Sep-13	26-Mar-31	21-Nov-08	System Employing The Same
Application And Methods for Community Authors (1997)			ZL200880122618				20.0 45			Offers Of Service And Service Management System
80144[17] 80144[17]-4-PFT	804144(12)	804144(12)-CN-PC1	.8	200880122618.8	102067520	CN	30-Sep-15	21-NOV-28	21-1404-08	Application And Method For Generating Automated
80114412) 801144(2)-US-NP US880122607 X 20080122607 X 302067317 CN 22-Rev-13 21-Rev-28	804144(12)	804144(12)-EP-EPT		08853077.9	EP2220816	EP		21-Nov-28	21-Nov-08	
Spetter And Method for intentifying And Calling A Function of A Service Management system Employing The Service Management System And Method Of Requesting A District And System And Method Of Service Management System And Method Of Service Management System And Method Of Service Management System Employing The Service Manag										Application And Method For Generating Automated Offers Of Service And Service Management System
B04144(2)   B04144(3)   B04144(4)   B041	804144(12)	804144(12)-US-NP	US8631108	12/276281	20090132693	US	14-Jan-14	19-Nov-29	21-Nov-08	
B01144[2]   B01144[2]   CHPCT   X   20080122607X   102007317   CN   23-Nov-10   21-Nov-28   21-Nov-08   Same   Same   And Memod for Secretifying And Calling A   Function Of A Service With Respect to A Society of Same			71 200990122607							Function Of A Service With Respect To A Subuscriber
## BO1144(2)-US-NP US8059563 12/776256 20990132992 US 15-Nov-11 6-Aug-29 21-Nov-08 Same And Service Management System Impliying The And Service Management System Incidence of Assistance Propriet To Assistan	804144(2)	804144(2)-CN-PCT		200880122607.X	102067517	CN	25-Nov-15	21-Nov-28	21-Nov-08	Same
304144(2)										Function Of A Service With Respect to A Subscriber
S04144(3)   S04144(3)-C4-PCT   1   20880122603   1   1   1   1   1   1   1   1   1	804144(2)	804144(2)-US-NP	US8059565	12/276256	20090129292	US	15-Nov-11	6-Aug-29	21-Nov-08	Same
Normalization Engine Acid Method Of Requesting A   Normalization Of A   Norm			ZL200880122603							
S04144(3)   S04144(3) - DE-PPT   EP2215778   O8852364-2   EP2215778   FR   4-Jan-12   21-Nov-28   21-Nov-28   End Point   Normalization Engine And Method Of Requesting 4 Key Or Performing An Operation Pertaining To An End Point   Normalization Engine And Method Of Requesting 4 Key Or Performing An Operation Pertaining To An End Point   Normalization Engine And Method Of Requesting 4 Key Or Performing An Operation Pertaining To An End Point   Normalization Engine And Method Of Requesting 4 Key Or Performing An Operation Pertaining To An End Point   Normalization Engine And Method Of Requesting 4 Key Or Performing An Operation Pertaining To An End Point   Normalization Engine And Method Of Requesting 4 Key Or Performing An Operation Pertaining To An End Point   Normalization Engine And Method Of Requesting 4 Key Or Performing An Operation Pertaining To An End Point   Normalization Engine And Method Of Requesting 4 Key Or Performing An Operation Pertaining To An End Point   Normalization Engine And Method Of Requesting 4 Key Or Performing An Operation Pertaining To An End Point   Normalization Engine And Method Of Requesting 4 Key Or Performing An Operation Pertaining To An End Point   Normalization Engine And Method Of Requesting 4 Key Or Performing An Operation Pertaining To An End Point   Normalization Engine And Method Of Requesting 4 Key Or Performing An Operation Pertaining To An End Point   Normalization Engine And Method Of Requesting 4 Key Or Performing An Operation Pertaining To An End Point   Normalization Engine And Method Of Requesting 4 Key Or Performing An Operation Pertaining To An End Point   Normalization Engine And Method Of Requesting 4 Key Or Performing An Operation Pertaining To An English And Point Performance Part And Normalization Performance Part	804144(3)	804144(3)-CN-PCT	.1	200880122603.1	102037680	CN	10-Dec-14	21-Nov-28	21-Nov-08	End Point  Normalization Engine And Method Of Requesting A
Septiment   Sept	804144(3)	804144(3)-DE-EPT	EP2215778	08852364.2	EP2215778	DE	4-Jan-12	21-Nov-28	21-Nov-08	Key Or Performing An Operation Pertaining To An
80144(3)   80144(3)-REPT   EP2215778   08852364.2   EP2215778   FR   4-Jan-12   21-Nov-28   21-Nov-28   End Print   Normalization Engine And Method Of Requesting A (Key Or Performing An Operation Perfaining To An England Print   Service Management System And Method of Requesting A (Key Or Performing An Operation Perfaining To An England Method Of Requesting A (Key Or Performing An Operation Perfaining To An England Method Of Requesting A (Key Or Performing An Operation Perfaining To An England Method Of Requesting A (Key Or Performing An Operation Perfaining To An England Method Of Requesting A (Key Or Performing An Operation Perfaining To An England Method Of Service Management System And Method Of Performing An Operation Perfaining To An England Method Of Service Management System And Method Of Service And Service Management System Service Diagnostic Engine And Method And Service Management System Service Diagnostic Engine And Method And Service Management System Service Diagnostic Engine And Method And Service Management System Service Diagnostic Engine And Method And Service Management System Service Diagnostic Engine And Method And Service Managemen	, ,	, ,								Normalization Engine And Method Of Requesting A
804144(3) 804144(3)-GB-EPT FP2215778 08852364.2 EP2215778 GB 4-Jan-12 21-Nov-28 21-Nov-08 Rep Point Rep Rep Point Rep Rep Point Rep Point Rep Point Rep Point Rep Point Rep Rep Point Rep Rep Point	804144(3)	804144(3)-FR-EPT	EP2215778	08852364.2	EP2215778	FR	4-Jan-12	21-Nov-28	21-Nov-08	End Point
804144(3)   804144(3)-US-NP   US8468237   12/276260   20090132684   US   18-Jun-13   9-Nov-29   21-Nov-08   End Point   Service Management System And Method Of Equesting A Government   Service Management System And Method Of Equesting A Government   Service Management System And Method Of Executing A Policy   Service Management System And Method Of Executing A Policy   Service Management System And Method Of Executing A Policy   Service Management System And Method Of Executing A Policy   Service Management System And Method Of Executing A Policy   Service Management System And Method Of Executing A Policy   Service Management System And Method Of Executing A Policy   Service Management System And Method Of Executing A Policy   Service Management System And Method Of Executing A Policy   Service Management System And Method Of Executing A Policy   Service Management System And Method Of Executing A Policy   Service Management System And Method Of Executing A Policy   Service Management System And Method Of Executing A Policy   Service Management System And Method Of Executing A Policy   Service Management System And Method Of Executing A Policy   Service Management System And Method Of Executing A Policy   Service Management System And Method Of Executing A Policy   Service Management System And Method Of Executing A Policy   Service Management System And Method Of Executing A Policy   Service Management System Employing The Same   Service Management System Employing The Same   Service Diagnostic Engine And Method And Service Management System Employing The Same   Service Diagnostic Engine And Method And Service Management System Employing The Same   Service Diagnostic Engine And Method And Service Management System Employing The Same   Service Diagnostic Engine And Method And Service Management System Employing The Same   Service Diagnostic Engine And Method And Service Management System Employing The Same   Service Diagnostic Engine And Method And Service Management System Employing The Same   Service Diagn										Key Or Performing An Operation Pertaining To An
804144(3)   804144(3)   USA468237   12/276260   20090132684   US   18-Jun-13   9-Nov-29   21-Nov-08   End Point   Service Management System And Method Of	804144(3)	804144(3)-GB-EPT	EP2215778	08852364.2	EP2215778	GB	4-Jan-12	21-Nov-28	21-Nov-08	Normalization Engine And Method of Requesting A
804144(4)   804144(5)   804144(5)   804144(5)   804144(5)   804144(5)   804144(5)   804144(5)   804144(5)   804144(5)   804144(5)   804144(5)   804144(5)   804144(5)   804144(5)   804144(5)   804144(5)   804144(5)   804144(5)   804144(7)   804144(7)   804144(7)   804144(7)   804144(7)   804144(8)   8041	804144(3)	804144(3)-US-NP	US8468237	12/276260	20090132684	US	18-Jun-13	9-Nov-29	21-Nov-08	
804144(4) 804144(4) - BUSENTE BERT BERT BERT BERT BERT BERT BERT BE	804144(4)	804144(4)-CN-PCT		200880122609.9	102084620	CN	30-Sep-15	21-Nov-28	21-Nov-08	
804144(4) 804144(4)-US-NP US8850598 12/276262 20090133098 US 30-Sep-14 27-Jun-30 21-Nov-08 Executing A Policy System And Method Of Executing A Policy System And Method Of Executing A Policy System And Method Of Executing A Policy System And Method For Generating A Visual Representation Of A Service Management System And Method For Generating A Visual Representation Of A Service Management System Employing The Same Application And Method For Generating A Visual Representation Of A Service Management System Employing The Same Application And Method For Generating A Visual Representation Of A Service Management System Employing The Same Application And Method For Generating A Visual Representation Of A Service Management System Employing The Same Application And Method For Generating A Visual Representation Of A Service Management System Employing The Same Service Diagnostic Engine And Method For Generating A Visual Representation Of A Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Application For A Service Management System Employing The Same Service Application For A Service Man										Service Management System And Method Of
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804144(5) 804144(5)-US-NP US8321807 12/276265 20090132945 US 27-Nov-12 15-Feb-31 21-Nov-08 System Employing The Same  Application And Method For Dynamically Presenting Data Regarding An End Point Or A Service And Service And Service Management System Incorporating The Same  21-Nov-08 System Employing The Same  Application And Method For Dynamically Presenting Data Regarding An End Point Or A Service And Service Management System Incorporating The Same  21-Nov-08 Service Diagnostic Engine And Method And Service Management System Incorporating The Same  804144(8) 804144(8)-DE-EPT EP2215774 08851097.9 EP2215774 DE 25-Apr-12 21-Nov-28 21-Nov-08 Management System Employing The Same  804144(8) 804144(8)-GB-EPT EP2215774 08851097.9 EP2215774 FR 25-Apr-12 21-Nov-28 21-Nov-08 Management System Employing The Same  804144(8) 804144(8)-GB-EPT EP2215774 08851097.9 EP2215774 GB 25-Apr-12 21-Nov-28 21-Nov-08 Management System Employing The Same  804144(8) 804144(8)-GB-EPT EP2215774 08851097.9 EP2215774 GB 25-Apr-12 21-Nov-28 21-Nov-08 Management System Employing The Same  804144(8) 804144(8)-GB-EPT EP2215774 08851097.9 EP2215774 GB 25-Apr-12 21-Nov-28 21-Nov-08 Management System Employing The Same  804144(8) 804144(8)-GB-EPT EP2215774 08851097.9 EP2215774 GB 25-Apr-12 21-Nov-28 21-Nov-08 Management System Employing The Same  804144(8) 804144(8)-GB-EPT EP2215774 08851097.9 EP2215774 GB 25-Apr-12 21-Nov-28 21-Nov-08 Management System Employing The Same  804144(8) 804144(8)-GB-EPT EP2215774 08851097.9 EP2215774 GB 25-Apr-12 21-Nov-28 21-Nov-08 Management System Employing The Same  804144(8) 804144(8)-US-NP US8181066 12/276273 20090132859 US 15-May-12 6-Dec-29 21-Nov-08 Management System Employing The Same  804144(8) 804144(8)-US-NP US8181066 12/276273 20090132859 US 15-May-12 6-Dec-29 21-Nov-08 Management System Employing The Same	804144(4)	904T44(4)-03-IAE	038830338	12/2/0202	20090133038	03	30-3ep-14	27-3011-30	21-1104-08	System And Method For Generating A Visual
804144(7) 804144(7)-US-NP US8527889 12/276272 20090132709 US 3-Sep-13 14-Mar-31 21-Nov-08 Service Management System Incorporating The Sar Z1200880122605 0 101919205 CN 17-Jul-13 21-Nov-28 21-Nov-08 Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Service Diagnostic Engine And Method And Service Management System Employing The Same Servi	804144(5)	804144(5)-US-NP	US8321807	12/276265	20090132945	US	27-Nov-12	15-Feb-31	21-Nov-08	
804144(7) 804144(7)-US-NP US8527889 12/276272 20090132709 US 3-Sep-13 14-Mar-31 21-Nov-08 Service Management System Incorporating The Sar										Application And Method For Dynamically Presenting
Service Diagnostic Engine And Method And Service   Serv	804144(7)	804144(7)-US-NP	US8527889	12/276272	20090132709	US	3-Sep-13	14-Mar-31	21-Nov-08	Data Regarding An End Point Or A Service And Service Management System Incorporating The Same
804144(8) 804144(8)-CN-PCT			7L200880122605							
804144(8) 804144(8)-DE-EPT EP2215774 08851097.9 EP2215774 DE 25-Apr-12 21-Nov-28 21-Nov-08 Management System Employing The Same  804144(8) 804144(8)-FR-EPT EP2215774 08851097.9 EP2215774 FR 25-Apr-12 21-Nov-28 21-Nov-08 Management System Employing The Same  804144(8) 804144(8)-GB-EPT EP2215774 08851097.9 EP2215774 GB 25-Apr-12 21-Nov-28 21-Nov-08 Management System Employing The Same  804144(8) 804144(8)-GB-EPT EP2215774 08851097.9 EP2215774 GB 25-Apr-12 21-Nov-28 21-Nov-08 Management System Employing The Same  804144(8) 804144(8)-US-NP US8181066 12/276273 20090132859 US 15-May-12 G-Dec-29 21-Nov-08 Management System Employing The Same  804144(8) 804144(8)-US-NP US8181066 12/276273 20090132859 US 15-May-12 G-Dec-29 21-Nov-08 Management System Employing The Same  804144(8) 804144(8)-US-NP US8181066 12/276273 20090132859 US 15-May-12 G-Dec-29 21-Nov-08 Management System Employing The Same	804144(8)	804144(8)-CN-PCT		200880122605.0	101919205	CN	17-Jul-13	21-Nov-28	21-Nov-08	
804144(8) 804144(8)-FR-EPT EP2215774 08851097.9 EP2215774 FR 25-Apr-12 21-Nov-28 21-Nov-08 Management System Employing The Same  804144(8) 804144(8)-GB-EPT EP2215774 08851097.9 EP2215774 GB 25-Apr-12 21-Nov-28 21-Nov-08 Management System Employing The Same  804144(8) 804144(8)-GB-EPT EP2215774 08851097.9 EP2215774 GB 25-Apr-12 21-Nov-28 21-Nov-08 Management System Employing The Same  804144(8) 804144(8)-US-NP US8181066 12/276273 20090132859 US 15-May-12 G-Dec-29 21-Nov-08 Management System Employing The Same  Service Diagnostic Engine And Method And Service Management System Employing The Same  Service Diagnostic Engine And Method And Service Management System Employing The Same  Service Diagnostic Engine And Method And Service Management System Employing The Same	904144/93	904144/9) DE EDT	ED2215774	09951007.0	ED2215774	DE	25 Apr 12	21 New 29	21 Nev 09	Service Diagnostic Engine And Method And Service
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804144(8) 804144(8)-GB-EPT EP2215774 08851097.9 EP2215774 GB 25-Apr-12 21-Nov-28 21-Nov-08 Management System Employing The Same  804144(8) 804144(8)-US-NP US8181066 12/276273 20090132859 US 15-May-12 6-Dec-29 21-Nov-08 Management System Employing The Same  Service Diagnostic Engine And Method And Service Management System Employing The Same  Self-Service Application For A Service Management										Service Diagnostic Engine And Method And Service
804144(8) 804144(8)-US-NP US8181066 12/276273 20090132859 US 15-May-12 6-Dec-29 21-Nov-08 Management System Employing The Same  Self-Service Application For A Service Management	804144(8)	804144(8)-GB-EPT	EP2215774	08851097.9	EP2215774	GB	25-Apr-12	21-Nov-28	21-Nov-08	
Self-Service Application For A Service Management			LISOMONOSS	12/276272	20090132859	IIS	15-May-17	6-Dec-29	21-Nov-08	Service Diagnostic Engine And Method And Service Management System Employing The Same
804144(9) 804144(9)-US-NP US8949393 12/276275 20090132710 US 3-Feb-15 7-Feb-30 21-Nov-08 System And Method Of Oberation Thereof	804144/8)	804144(8)-US-NP	1028181066					0 0 0 0 0 0 0	-2 .707 00	
	804144(8)	804144(8)-US-NP	028181000	12/2/02/3			·			Self-Service Application For A Service Management
An Apparatus for Emulating Optical Packet Memor 804171 804171-DE-EPA EP2265035 09290450.7 EP2265035 DE 25-Dec-13 15-Jun-29 15-Jun-09 with Infinite Queuing Delay		804144(8)-US-NP 804144(9)-US-NP	US8949393	12/276275	20090132710	US	3-Feb-15	7-Feb-30	21-Nov-08	Self-Service Application For A Service Management System And Method Of Operation Thereof
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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	CASE REFERENCE	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	HTLE
804171	804171-FR-EPA	EP2265035	09290450.7	EP2265035	FR	25-Dec-13	15-Jun-29	15-Jun-09	An Apparatus for Emulating Optical Packet Memories with Infinite Queuing Delay
804171	804171-GB-EPA	EP2265035	09290450.7	EP2265035	GB	25-Dec-13	15-Jun-29	15-Jun-09	An Apparatus for Emulating Optical Packet Memories with Infinite Queuing Delay
504171	8041/19DEFA	EF2203033	05250430.7	Er 2203033	GB.	23*Det*13	13-3011-23	13-5011-03	PROCEDE ET DISPOSITIF D'ENREGISTREMENT DE DONNEES REPRESENTATIVES DE SENTIMENTS RESSENTIS PAR DES PERSONNES DANS DES LIEUX
804192	804192-EP-EPT		09795474.7	EP2359269	EP		19-Nov-29	19-Nov-09	LOCALISABLES ET SERVEUR ASSOCIE  IP Phone Dynamic Power Saving Hours linked to User
804194	804194-EP-EPT		10707571.5	EP2396960	EP		22-Jan-30	22-Jan-10	IP Phone Dynamic Power Saving Hours linked to User  IP Phone Dynamic Power Saving Hours linked to User
804194	804194-IN-PCT		5554/CHENP/2011	5554/CHENP/2011	IN		22-Jan-30	22-Jan-10	Presence in the Business Area  Telephonic Service And Power Supply Status
804194	804194-US-PCT	US8767939	13/201594	20120051527	US	1-Jul-14	28-Mar-30	22-Jan-10	Management Of A Communication Terminal Depending On The Presence Of A User
804216	804216-US-NP	US8395988	12/383938	20100246384	US	12-Mar-13	19-Sep-29	30-Mar-09	Method And System For Providing Voice Survivability
804229	804229-US-NP	US7126907	09/943005		US	24-Oct-06	5-May-24	31-Aug-01	A Label Switched Communication Network, a Method of Conditioning the Network and a Method of Transmission
804268	804268-US-NP	US6829438	09/899151		US	7-Dec-04	16-Mar-23	6-Jul-01	Add/Drop Multiplexing in WDM Optical Networks
		ZL200980160662		CN1034744194	CN				Method and Apparatus for Interworking Between IMS/SIP and PSTN/PLMN to Exchange Dynamic Charging Information
804271	804271-CN-PCT	.2	200980160662.2	CN102474418A	CN	16-Dec-15	24-Jul-29	24-Jul-09	Interworking Between Ims/Sip And Pstn/Pimn To Exchange Dynamic Charging Information
804271	804271-EP-EPT		09787608.0	EP2457345	EP		24-Jul-29	24-Jul-09	
804272	804272-US-NP	US7031606	09/990366		US	18-Apr-06	12-Jan-23	23-Nov-01	Method and System for Monitoring Performance of Optical Network
804276	804276-US-NP	US6983294	10/120435		US	3-Jan-06	29-Oct-22	12-Apr-02	Redundancy Systems and Methods in Communications Systems
804277	804277-US-NP	US6882627	09/879937		US	19-Apr-05	16-Oct-23	14-Jun-01	Methods and Apparatus for Selecting Multiple Paths Taking Into Account Shared Risk
804280	804280-US-NP	US7126921	10/101383		US	24-Oct-06	22-Feb-25	20-Mar-02	Packet Network Providing Fast Distribution of Node Related Information and a Method Therefor
88,1200		00.22002	20,20200			21 001 00	22 193 25	20	A Method for Network Upgrade Using Amplified
804284	804284-US-NP	US7652816	11/615953	20070201126	US	26-Jan-10	24-Oct-27	23-Dec-06	Spontaneous Emission (ASE) Sources  A Method of Avoiding Amplified Spontaneous
804285	804285-US-NP	US7668460	11/452200	20060291860	US	23-Feb-10	27-Nov-28	14-Jun-06	Emission Loops in an Optical Network Distributed Subscriber Management System
804289	804289-US-DIV[2]	US7921457	12/132583	20090319777	US	5-Apr-11	28-Feb-22	3-Jun-08	REDUCTION OF FRAME ERROR RATE IN A NODE OF A
804294	GOADDA DE EDA	EP2306666	00205040 4	ED3305555	DE	1 May 12	20 5== 20	30.507.00	WIRELESS PACKET-SWITCHED COMMUNICATION NETWORK
804294	804294-DE-EPA	EP2300000	09305919.4	EP2306666	DE	1-May-13	30-Sep-29	30-Sep-09	REDUCTION OF FRAME ERROR RATE IN A NODE OF A
804294	804294-FR-EPA	EP2306666	09305919.4	EP2306666	FR	1-May-13	30-Sep-29	30 San 00	WIRELESS PACKET-SWITCHED COMMUNICATION NETWORK
804254	004234-FR-EFA	EF2300000	05303919.4	EF2300000	FR	1-iviay-15	30-3ep-23	30-Sep-09	REDUCTION OF FRAME ERROR RATE IN A NODE OF A
004204	804294-GB-EPA	50220555	00205010.4	EDATOSES	CD.	1.1412	20.5 20	20.5 00	WIRELESS PACKET-SWITCHED COMMUNICATION NETWORK
804294	804294-GB-EPA	EP2306666	09305919.4	EP2306666	GB	1-May-13	30-Sep-29	30-Sep-09	Enabling Circuit Switched services over Packet Switched Radio Access Networks using an
804333	804333-CN-PCT		200980149515.5	CN102301794A	CN		9-Nov-29	9-Nov-09	Interworking Function
									Enabling Circuit Switched services over Packet Switched Radio Access Networks using an
804333	804333-EP-EPT		09796804.4	EP2356857	EP		9-Nov-29	9-Nov-09	Interworking Function
									Enabling Circuit Switched services over Packet Switched Radio Access Networks using an
804333	804333-JP-PCT		2011535186	2012508498	JP		9-Nov-29	9-Nov-09	Interworking Function
									Enabling Circuit Switched services over Packet Switched Radio Access Networks using an Interworking Function
804333	804333-KR-PCT		20117013066	20110083722	KR		9-Nov-29	9-Nov-09	Enabling Circuit Switched services over Packet
804333	804333-US-PCT		13/128583	20110280217	US		9-Nov-29	9-Nov-09	Switched Radio Access Networks using an Interworking Function
804333	804335-AU-PCT	AU2003286050	2003286050	2011020021/	AU	16-Feb-07	14-Nov-23	14-Nov-03	Reconfigurable Optical Add/Drop Multiplexer With Buried Dispersion Compensation Module
804335	804335-DE-EPT	EP1568165	03776724.1	EP1568165	DE	4-Jan-12	14-Nov-23	14-Nov-03	Reconfigurable Optical Add/Drop Multiplexer With Buried Dispersion Compensation Module
804335	804335-FR-EPT	EP1568165	03776724.1	EP1568165	FR	4-Jan-12	14-Nov-23	14-Nov-03	Reconfigurable Optical Add/Drop Multiplexer With Buried Dispersion Compensation Module
804335	804335-GB-EPT	EP1568165	03776724.1	EP1568165	GB	4-Jan-12	14-Nov-23	14-Nov-03	Reconfigurable Optical Add/Drop Multiplexer With Buried Dispersion Compensation Module
804335	804335-IT-EPT	EP1568165	03776724.1	EP1568165	ır	4-Jan-12	14-Nov-23	14-Nov-03	Reconfigurable Optical Add/Drop Multiplexer With Buried Dispersion Compensation Module
804335	804335-US-NP	US6931176	10/636664	20040101236	US	16-Aug-05	11-Dec-23	8-Aug-03	Reconfigurable Optical Add/Drop Multiplexer With Buried Dispersion Compensation Module
804358	804358-DE-EPA	EP2264877	09290463.0	EP2264877	DE	23-Apr-14	18-Jun-29	18-Jun-09	Active Filter For DC Power Supply
	804358-FR-EPA	EP2264877	09290463.0	EP2264877	FR		18-Jun-29		Active Filter For DC Power Supply
804358						23-Apr-14		18-Jun-09	Active Filter For DC Power Supply
804358	804358-GB-EPA	EP2264877	09290463.0	EP2264877	GB	23-Apr-14	18-Jun-29	18-Jun-09	I .

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	CASE REFERENCE	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	TITLE
804450	804450-US-NP	US8041811	12/427539	20100268807	US	18-Oct-11	23-Oct-29	21-Apr-09	Multi-Chassis Component Corrector and Associator Engine
804460	804460-DE-EPA	EP2214451	09305089.6	EP2214451	DE	3-Oct-12	30-Jan-29	30-Jan-09	Default bearer in eNB
804460	804460-FR-EPA	EP2214451	09305089.6	EP2214451	FR	3-Oct-12	30-Jan-29	30-Jan-09	Default bearer in eNB
804460	804460-GB-EPA	EP2214451	09305089.6	EP2214451	GB	3-Oct-12	30-Jan-29	30-Jan-09	Default bearer in eNB
804510	804510-EP-EPA	ZL200910150964	09305680.2	EP2285025	EP		16-Jul-29	16-Jul-09	Audio stereo effect over communication
804551 804566	804551-CN-NP 804566-EP-EPA	.3	200910150964.3 11175613.6	CN101938689A EP2423811	CN EP	28-Sep-16	29-Jun-29 27-Jul-31	29-Jun-09	Location based One Number Service  Handling independent and unlimited clocks in
804556	804653-EP-EPA		09360034.4	EP2423811 EP2267886	EP		11-Jun-29	27-Jul-11 11-Jun-09	running application with its own clock  TRANSMISSION-LINE CLASS E POWER AMPLIFIER
804033	004033-EF-EFA		03300034.4	LF2207880	Lr		11-30/1-23	11-1411-03	METHOD FOR ENHANCING THE USE OF RADIO
804685	804685-DE-EPA	EP2315492	09306003.6	EP2315492	DE	21-Oct-15	22-Oct-29	22-Oct-09	RESOURCE, USER EQUIPMENT AND NETWORK INFRASTRUCTURE FOR IMPLEMENTING THE METHOD
804685	804685-FR-EPA	EP2315492	09306003.6	EP2315492	FR	21-Oct-15	22-Oct-29	22-Oct-09	METHOD FOR ENHANCING THE USE OF RADIO RESOURCE, USER EQUIPMENT AND NETWORK INFRASTRUCTURE FOR IMPLEMENTING THE METHOD
804685	804685-GB-EPA	EP2315492	09306003.6	EP2315492	GB	21-Oct-15	22-Oct-29	22-Oct-09	METHOD FOR ENHANCING THE USE OF RADIO RESOURCE, USER EQUIPMENT AND NETWORK INFRASTRUCTURE FOR IMPLEMENTING THE METHOL
804685		JP5462372	2012534685	2013509064			20-Oct-30	20-Oct-10	Method For Enhancing The Use Of Radio Resource, User Equipment And Network Infrastructure For
804683	804685-JP-PCT 804708-DE-EPA	EP2273706	09290522.3	EP2273706	JP DE	24-Jan-14	30-Jun-29		Implementing The Method Synchronization Packet-Delay-Variation Dampening (SPD)
804708	804708-FR-EPA	EP2273706	09290522.3	EP2273706	FR	30-May-12 30-May-12	30-Jun-29 30-Jun-29	30-Jun-09 30-Jun-09	(SPD) Synchronization Packet-Delay-Variation Dampening (SPD)
804708	804708-GB-EPA	EP2273706	09290522.3	EP2273706	GB	30-May-12	30-Jun-29 30-Jun-29	30-Jun-09	Synchronization Packet-Delay-Variation Dampening (SPD)
3047,00			-3=50366.0		30	55-leidy-12	55-341725	55-3411-03	System and Method for Automatically Quiting SMS- Based Parking
804713	804713-JP-PCT	JP5635614	2012-533600	2013507706	JP	24-Oct-14	11-Oct-30	11-Oct-10	PROCEDE DE MANIPULATION DIRECTE DES
804723	804723-EP-EPT		10805274.7	EP2507703	EP		26-Nov-30	26-Nov-10	INTERACTIONS ENTRANTES DANS UNE APPLICATION CLIENTE DE COMMUNICATION INSTANTANEE
804791	804791-DE-EPA	EP2320581	09306080.4	EP2320581	DE	30-Oct-13	10-Nov-29	10-Nov-09	Optically controlled CombinedLINC&EER Transmitter
804791	804791-FR-EPA	EP2320581	09306080.4	EP2320581	FR	30-Oct-13	10-Nov-29	10-Nov-09	Optically controlled CombinedLINC&EER Transmitter
804791	804791-GB-EPA	EP2320581	09306080.4	EP2320581	GB	30-Oct-13	10-Nov-29	10-Nov-09	Optically controlled CombinedLINC&EER Transmitter Confusion-Free Allocation of Identifiers with a Static
804821	804821-DE-EPA	EP2330842	09290892.0	EP2330842	DE	8-Aug-12	1-Dec-29	1-Dec-09	Algorithm  Confusion-Free Allocation of Identifiers with a Static
804821	804821-FR-EPA	EP2330842	09290892.0	EP2330842	FR	8-Aug-12	1-Dec-29	1-Dec-09	Algorithm  Confusion-Free Allocation of Identifiers with a Static
804821 804832	804821-GB-EPA 804832-IN-PCT	EP2330842	09290892.0 7379/CHENP/2011	7379/CHENP/2011	GB IN	8-Aug-12	1-Dec-29 13-Apr-30	1-Dec-09 13-Apr-10	Algorithm  Relaying Data Between A Base Station And User Equipment
804832	804832-BR-PCT		PI 1013851-0	PI1013851 0	BR		13-Apr-30	13-Apr-10	Relaying Data Between A Base Station And User Equipment
804859	804859-JP-PCT	JP5314189	2012506426	2012524490	JP	12-Jul-13	30-Mar-30	30-Mar-10	Location supporting information exchange between eNBs during HO preparation
804859 804859	804859-KR-PCT 804859-US-PCT	KR101343308 US8570981	1020117027444 13/265419	20120039181	KR US	13-Dec-13 29-Oct-13	30-Mar-30 4-Oct-30	30-Mar-10 30-Mar-10	Location supporting information exchange between eNBs during HO preparation Telecommunication Method
804872	804872-EP-EPA	030370301	10172386.4	EP2290887	EP	15 000 15	10-Aug-30	10-Aug-10	Absence greeting automatic access from user's profile
804872	804872-FR-NP	FR2949635	0955943	FR2949635	FR	21-Nov-14	1-Sep-29	1-Sep-09	Absence greeting automatic access from user's profile
804910	804910-EP-EPA		09169825.8	EP2309745	EP		9-Sep-29	9-Sep-09	REDUCED RATE SCRAMBLING SYSTEM WITH MAXIMAL DISTORTION FOR H.264
804914	804914-US-NP		12/480456	20100309915	US		8-Jun-29	8-Jun-09	Virtual Leased Line Address Resolution Protocol Cache For Customer Edge Internet Protocol Addresses
804938	804938-KR-PCT	KR101302926	20117031282		KR	27-Aug-13	19-Mar-30	19-Mar-10	New Path Initialization Alignment Method to improve ITU-T standard Q.2630.1
804938	804938-US-PCT	US9054897	13/376258	20120087366	US	9-Jun-15	30-Jan-32	19-Mar-10	Method And Apparatus For Synchronizing AAL2 Path States
804984	804984-EP-EPT		10725362.7	EP2419823	EP		1-Apr-30	1-Apr-10	PROCEDE D'ASSISTANCE AU DEVELOPPEMENT OU A L'UTILISATION D'UN SYSTEME COMPLEXE
805030	805030-IN-PCT		7860/CHENP/2011	7860/CHENP/2011	IN		15-Apr-30	15-Apr-10	Decision for Cooperation and Fast Cell Selection in CoMP UL (LTE-Advanced)
805030	805030-KR-PCT	KR101317664	10-2011-7028019		KR	7-Oct-13	15-Apr-30	15-Apr-10	Decision for Cooperation and Fast Cell Selection in CoMP UL (LTE-Advanced)
805030	805030-US-PCT	US8675520	13/266097	20120044872	US	18-Mar-14	15-Apr-30	15-Apr-10	Uplink Communication In A Wireless Communication Network
805030	805030-BR-PCT		PI1015343.8	PI1015343.8	BR		15-Apr-30	15-Apr-10	Decision for Cooperation and Fast Cell Selection in CoMP UL (LTE-Advanced) Method And Apparatus For Roaming Between
805050	805050-DE-EPA	EP2288205	09290629.6	EP2288205	DE	21-Mar-12	17-Aug-29	17-Aug-09	HPLMN With CSOPS IWF Interworking Function and VPLMN Supporting SRVCC Method And Apparatus For Roaming Between
805050	805050-FR-EPA	EP2288205	09290629.6	EP2288205	FR	21-Mar-12	17-Aug-29	17-Aug-09	HPLMN With CSOPS IWF Interworking Function and VPLMN Supporting SRVCC Method And Apparatus For Roaming Between
805050	805050-GB-EPA	EP2288205	09290629.6	EP2288205	GB	21-Mar-12	17-Aug-29	17-Aug-09	HPLMN With CSOPS IWF Interworking Function and VPLMN Supporting SRVCC
805051	805051-JP-PCT	JP5450805	2012512287	2012528500	JP	10-Jan-14	28-Apr-30	28-Apr-10	Compact Multi-Channel DQPSK Receiver
805051 805051	805051-KR-PCT 805051-US-NP	KR101329875 US8521027	20117028303 12/662797	20100303463	KR US	8-Nov-13 27-Aug-13	28-Apr-30 23-Apr-31	28-Apr-10 4-May-10	Compact Multi-Channel DQPSK Receiver System And Method For Demultiplexing Optical Mult Wavelength Signals
805051	805051-EP-EPA		09305492.2	EP2256972	EP		28-May-29	28-May-09	Compact Multi-Channel DQPSK Receiver Electronic Mail Server And Method For Automatically
805064	805064-EP-EPT		10788185.6	EP2513806	EP	<u> </u>	30-Nov-30	30-Nov-10	Generating Address Lists

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FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPINATION DATE	APPLICATION DATE	TI TLE
									Method And Apparatus For Using A Shared Ring Buffer To Provide Thread Synchronization In A Multi-
805103	805103-US-NP	US8751737	12/492598	20100332755 7703/CHENP/2011	US	10-Jun-14	23-Aug-31	26-Jun-09	Core Processor System  Power Control And Interference Coordination To
805117	805117-IN-PCT		7703/CHENP/2011	A	IN		23-Apr-30	23-Apr-10	Support Half-Duplex Relay System  Power Control And Interference Coordination To
805117	805117-JP-PCT	JP5461688	2012507417	2012525079	JP	24-Jan-14	23-Apr-30	23-Apr-10	Support Half-Duplex Relay System
805117	805117-KR-PCT	KR101321425	20117027940		KR	15-Oct-13	23-Apr-30	23-Apr-10	Power Control And Interference Coordination To Support Half-Duplex Relay System
				20100272000	LIC				Method And Apparatus For Power Control And
805117	805117-US-NP	US9445380	12/766031	20100272009	US	13-Sep-16	20-Sep-33	23-Apr-10	Interference Coordination  Power Control And Interference Coordination To
805117	805117-BR-PCT		PI1013832-3	PI1013832-3	BR		23-Apr-30	23-Apr-10	Support Half-Duplex Relay System
805130	805130-EP-EPA		09305751.1	EP2285003	EP		12-Aug-29	12-Aug-09	Error Detection/Correction via Optimized Hashing Linearization and Calibration Technique for Multiple
805140	805140-EP-EPA		09290766.6	EP2309590	EP		7-Oct-29	7-Oct-09	Antenna Techniques in Base Stations
805159	805159-US-NP	US9124417	12/660900	20110216902	US	1-Sep-15	13-Jul-32	5-Mar-10	Computation Of Garbled Tables In Garbled Circuit
805160	805160-US-NP	US9053464	12/587057	20110078257	US	9-Jun-15	21-May-32	30-Sep-09	Information Security Method And Apparatus  A Method Of Providing A Call Completion Service To
									A Not Registered Or Not Available User In A
805195	805195-EP-EPT		09786253.6	EP2446603	EP		24-Jun-29	24-Jun-09	Telecommunication Network
									A method for downlink communication by means of
									a downlink superimposed radio signal, a base station
805200	805200-BR-PCT		1120120140493	1120120140493	BR		15-Nov-30	15-Nov-10	and a user terminal therefor
		CN20108005606							A method for downlink communication by means of a downlink superimposed radio signal, a base station
805200	805200-CN-PCT	2.4	201080056062.4		CN	17-Dec-14	15-Nov-30	15-Nov-10	and a user terminal therefor
									A method for downlink communication by means of
805200	805200-DE-EPA	EP2333982	09306206.5	EP2333982	DE	27-Feb-13	10-Dec-29	10-Dec-09	a downlink superimposed radio signal, a base station and a user terminal therefor
									A method for downlink communication by means of a downlink superimposed radio signal, a base station
805200	805200-FR-EPA	EP2333982	09306206.5	EP2333982	FR	27-Feb-13	10-Dec-29	10-Dec-09	and a user terminal therefor
									A method for downlink communication by means of
805200	805200-GB-EPA	EP2333982	09306206.5	EP2333982	GB	27-Feb-13	10-Dec-29	10-Dec-09	a downlink superimposed radio signal, a base station and a user terminal therefor
									A method for downlink communication by means of
805300	SUESOU IN DCT		E041/CUEND/2012	5041/CHENP/2012	IN		15 Nov 20	15 Nov. 10	a downlink superimposed radio signal, a base station
805200	805200-IN-PCT		3041/CHENF/2012	3041/CHENF/2012	114		15-Nov-30	15-Nov-10	and a user terminal therefor
									Method For Downlink Communication By Means Of A Downlink Superimposed Radio Signal, A Base Station
805200 805216	805200-US-PCT 805216-DE-EPA	US9300377 EP2333959	13/514659 09290924.1	20120236818 EP2333959	US DE	29-Mar-16 30-Nov-11	15-Nov-30 9-Dec-29	15-Nov-10 9-Dec-09	And A User Terminal Therefor Table Based Delta Sigma Modulator
805216	805216-FR-EPA	EP2333959	09290924.1	EP2333959	FR	30-Nov-11	9-Dec-29	9-Dec-09	Table Based Delta Sigma Modulator
805216	805216-GB-EPA	EP2333959	09290924.1	EP2333959	GB	30-Nov-11	9-Dec-29	9-Dec-09	Table Based Delta Sigma Modulator Closed-Loop Efficiency Modulation For Use In AC
805249	805249-US-NP	US8134848	12/540155	20110038189	US	13-Mar-12	9-Sep-30	12-Aug-09	Powered Applications
805251	805251-US-NP	US8226241	12/466790	20100290009	US	24-Jul-12	26-Sep-30	15-May-09	Image Projector Employing A Speckle-Reducing Laser Source
805291	805291-US-CNT	US9276796	14/737838	20150280955	US	3-Jan-16	26-Apr-30	12-Jun-15	Method And Processing Arrangement For Joint Processing Of Uplink Data
805291	805291-DE-EPA	EP2264960	09290467.1	EP2264960	DE	1-Oct-14	19-Jun-29	19-Jun-09	Solving multi-cell timing issues in uplink COMP joint processing
									Solving multi-cell timing issues in uplink COMP joint
805291	805291-FR-EPA	EP2264960	09290467.1	EP2264960	FR	1-Oct-14	19-Jun-29	19-Jun-09	processing Solving multi-cell timing issues in uplink COMP joint
805291	805291-GB-EPA	EP2264960	09290467.1	EP2264960	GB	1-Oct-14	19-Jun-29	19-Jun-09	processing Method And Apparatus For The Detection Of
205205	805308 HE ***	LIEBECCOAS	12640244	2011015225		45.00		17.0	Impulsive Noise In Transmitted Speech Signals For
805308	805308-US-NP	US8560312	12640744	20110153313	US	15-Oct-13	1-Jul-32	17-Dec-09	Use In Speech Quality Assessment  Monolithic Integrated duplexer with very low
805351	805351-EP-EPA		09306205.7	EP2336814	EP		10-Dec-29	10-Dec-09	1.3μm/1.55μm cross-talk
905353	BUESES ND DCT	KB1014E03E3	20127020701		VD	2 Mc 14	9 to - 20	9 10:: 10	Method and Apparatus for Notifying Account Information of a Data-Type-Oriented User Equipment
805362	805362-KR-PCT	KR101459353	20127020701		KR	3-Nov-14	8-Jan-30	8-Jan-10	
805362	805362-EP-EPT		10841890.6		EP		8-Jan-30	8-Jan-10	Method and Apparatus for Notifying Account Information of a Data-Type-Oriented User Equipment
				9357/CHENP/2011					
805364	805364-IN-PCT		9357/CHENP/2011	A 8	IN		9-Jun-30	9-Jun-10	Bit-wise interleaving based Multi-Protocol Encapsulation Inter-burst Forward Error Correction
									Improved Forward Error Correction with Bit-wise Interleaving
805364	805364-DE-EPA	EP2264931	09305543.2	EP2264931	DE	25-Nov-15	15-Jun-29	15-Jun-09	Improved Forward Error Correction with Bit-wise
									Interleaving
805364	805364-ES-EPA	EP2264931	09305543.2	EP2264931	ES	25-Nov-15	15-Jun-29	15-Jun-09	Improved Forward Error Correction with Bit-wise
905364	905364-ED-EDA	ED2264021	00205542.2	ED2264021	FR	25-Nov-15	15-Jun-20	15-lun-09	Interleaving
805364	805364-FR-EPA	EP2264931	09305543.2	EP2264931	FN	25-Nov-15	15-Jun-29	15-Jun-09	Improved Forward Error Correction with Bit-wise
805364	805364-GB-EPA	EP2264931	09305543.2	EP2264931	GB	25-Nov-15	15-Jun-29	15-Jun-09	Interleaving
									Improved Forward Error Correction with Bit-wise Interleaving
805364	805364-IT-EPA	EP2264931	09305543.2	EP2264931	п	25-Nov-15	15-Jun-29	15-Jun-09	The reaving
805421	805421-US-PCT	US9081906	13/510674	20120264413	US	14-Jul-15	9-Mar-31	26-Nov-10	Office System Comprising A Telephony Application
805429	805429-EP-EPA		10195417.0	EP2343854	EP		16-Dec-30	16-Dec-10	System And A Method For Determining An Optimal Restoration Connection
003423	UUSH43-LI -CFM		10155417.0	LF 2343034	L Cr	·	T0-Dec-30	10-060-10	nestoration connection

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FAMILY	CASE REFERENCE	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	HTLE
805440	805440-DE-EPA	EP2323105	09290794.8	EP2323105	DE	3-Dec-14	16-Oct-29	16-Oct-0 <del>9</del>	Multi-Modal Adaptive Fusion For Real-World, Noisy, Machine Monitoring Systems
805440	805440-FR-EPA	EP2323105	09290794.8	EP2323105	FR	3-Dec-14	16-Oct-29	16-Oct-09	Multi-Modal Adaptive Fusion For Real-World, Noisy, Machine Monitoring Systems
805440	805440-GB-EPA	EP2323105	09290794.8	EP2323105	GB	3-Dec-14	16-Oct-29	16-Oct-09	Multi-Modal Adaptive Fusion For Real-World, Noisy, Machine Monitoring Systems
805444	805444-JP-PCT	JP5372248	2012515579		JP	27-Sep-13	10-Jun-30	10-Jun-10	Maintaining Time-Division Multiplexing Over Pseudowire Connections During Network Outages
805444	805444-KR-PCT	KR101353183	20117030065		KR	13-Jan-14	10-Jun-30	10-Jun-10	Maintaining Time-Division Multiplexing Over Pseudowire Connections During Network Outages
805444	805444-US-NP	US8498199	12/485623	20100315941	US	30-Jul-13	24-May-31	16-Jun-09	Maintaining Time-Division Multiplexing Over Pseudowire Connections During Network Outages
805444	805444-DE-EPT	EP2443777	10776134.8	EP2443777	DE	12-Aug-15	10-Jun-30	10-Jun-10	Maintaining Time-Division Multiplexing Over Pseudowire Connections During Network Outages
805444	805444-FR-EPT	EP2443777	10776134.8	EP2443777	FR	12-Aug-15	10-Jun-30	10-Jun-10	Maintaining Time-Division Multiplexing Over Pseudowire Connections During Network Outages
805444	805444-GB-EPT	EP2443777	10776134.8	EP2443777	GB	12-Aug-15	10-Jun-30	10-Jun-10	Maintaining Time-Division Multiplexing Over Pseudowire Connections During Network Outages
805449	805449-CN-PCT	ZL201080027598	201080027598.3	CN102461301A	CN	22-Oct-14	2-Jun-30	2-Jun-10	Indicating Dynamic Allocation Of Component Carrier In Multi-Component Carrier Systems
		.3							Indicating Dynamic Allocation Of Component Carrier
805449	805449-DE-EPT	EP2446683	10723886.7	EP2446683	DE	30-Mar-16	2-Jun-30	2-Jun-10	In Multi-Component Carrier Systems Indicating Dynamic Allocation Of Component Carriers
805449 805449	805449-FR-EPT 805449-GB-EPT	EP2446683 EP2446683	10723886.7 10723886.7	EP2446683 EP2446683	FR GB	30-Mar-16 30-Mar-16	2-Jun-30 2-Jun-30	2-Jun-10 2-Jun-10	In Multi-Component Carrier Systems Indicating Dynamic Allocation Of Component Carriers In Multi-Component Carrier Systems
	805449-JP-PCT				JP				Indicating Dynamic Allocation Of Component Carriers
805449 805449	805449-US-NP	JP5770723 US8432859	2012517545 12/488917	2012531163	US JP	3-Jul-15 30-Apr-13	2-Jun-30 30-Oct-30	2-Jun-10 22-Jun-09	In Multi-Component Carrier Systems Indicating Dynamic Allocation Of Component Carriers In Multi-Component Carrier Systems
805472	805472-JP-PCT	JP5749738	2012547441	2013516867	JP	22-May-15	4-Jan-31	4-Jan-11	METHOD AND DEVICE FOR PROVIDING COMMUNICATION TO USER EQUIPMENT
		313743730				ZZ Way 15			Efficient Techniques For Achieving Security Against
805477	805477-EP-EPT		10793076.0	EP2507934	EP		23-Nov-30	23-Nov-10	Cheating Tamper-Resistant Tokens Efficient Techniques For Achieving Security Against
805477	805477-JP-PCD	JP5944437	2014123153	2014197885	JP	3-Jun-16	23-Nov-30	23-Nov-10	Cheating Tamper-Resistant Tokens Efficient Techniques For Achieving Security Against
805477	805477-KR-PCD	KR101580485	20147015555		KR	21-Dec-15	23-Nov-30	23-Nov-10	Cheating Tamper-Resistant Tokens Efficient Techniques For Achieving Security Against
805477	805477-KR-PCT	KR101467067	20127014241		KR	24-Nov-14	23-Nov-30	23-Nov-10	Cheating Tamper-Resistant Tokens Efficient Techniques For Achieving Secure
805477	805477-US-NP	US8683204	12/592907	20110138184	US	25-Mar-14	25-Apr-31	4-Dec-09	Transactions Using Tamper-Resistant Tokens
805509	805509-US-NP	US8385321	12/462291	20110026513	US	26-Feb-13	16-Mar-31	31-Jul-09	Method And System For Synchronizing A Data Base At A Plurality Of Nodes In An Ad Hoc Network MPLS End to End Emulation for Mobile Wireless
805561	805561-EP-EPA		10305007.6	EP2341668	EP		5-Jan-30	5-Jan-10	Backhauling
									Optoelectronic Device For Differential Photoreception, With Automatic Compensation Of Phase And Amplitude Imbalances
805572 805598	805572-KR-PCT 805598-DE-EPA	KR101450485 EP2337242	20137003513 09306261.0	EP2337242	KR DE	6-Oct-14 14-May-14	12-Jul-31 18-Dec-29	12-Jul-11 18-Dec-09	Analog Power Amplifier based Class-O
805598	805598-FR-EPA	EP2337242	09306261.0	EP2337242	FR	14-May-14	18-Dec-29	18-Dec-09	Analog Power Amplifier based Class-O
805598 805653	805598-GB-EPA 805653-EP-EPT	EP2337242	09306261.0 09846684.0	EP2337242 EP2449799	GB EP	14-May-14	18-Dec-29 30-Jun-29	18-Dec-09 30-Jun-09	Analog Power Amplifier based Class-O Account Sponsorship Charging
805653	805653-US-PCT	US8625758	13/381412	20120106722	US	7-Jan-14	30-Jun-29	30-Jun-09	Method, A Telecommunication System And A Network Node For Sponsoring A Communication Service
805687	805687-CN-PCT	ZL201080057640 .6	201080057640.6	102656872	CN	12-Nov-14	22-Nov-30	22-Nov-10	A Method And Apparatus For Selective Message Service Blocking
805687	805687-EP-EPT		10795494.3	EP2514188	EP		22-Nov-30	22-Nov-10	A Method And Apparatus For Selective Message Service Blocking A Method And Apparatus For Selective Message
805687	805687-IN-PCT		5002/CHENP/2012	5002/CHENP/2012	IN		22-Nov-30	22-Nov-10	Service Blocking A Method And Apparatus For Selective Message
805687	805687-JP-PCT	JP6000125	2012544549	2013514727	JP	9-Sep-16	22-Nov-30	22-Nov-10	Service Blocking A Method And Apparatus For Selective Message
805687	805687-KR-PCT	KR101434330	20127018557		KR	20-Aug-14	22-Nov-30	22-Nov-10	Service Blocking Method And Apparatus For Selective Message Service
805687	805687-US-NP	US8620362	12/641874	20110151896	US	31-Dec-13	11-Apr-31	18-Dec-09	Blocking
805726 805726	805726-DE-EPA 805726-FR-EPA	EP2285033 EP2285033	09360040.1 09360040.1	EP2285033 EP2285033	DE FR	3-Oct-12 3-Oct-12	13-Aug-29 13-Aug-29	13-Aug-09 13-Aug-09	Modification of data transmission regime  Modification of data transmission regime
805726	805726-GB-EPA	EP2285033	09360040.1	EP2285033	GB	3-Oct-12	13-Aug-29	13-Aug-09	Modification of data transmission regime Infrared Energy Powered Cooling Apparatus And
805737	805737-US-NP	U58208252	12/590282	20110103006	US	26-Jun-12	5-Nov-29	5-Nov-09	Computer Chassis Comprising Same
805755	805755-JP-PCT	JP5654022	2012532102	2013506908	JP	28-Nov-14	15-Sep-30	15-Sep-10	Dynamic Load Balancing And Scaling Of Allocated Cloud Resources In An Enterprise Network
805755 805787	805755-KR-PCT 805787-EP-EPT	KR101421848	20127008048 10803312.7	EP2522168	KR EP	15-Jul-14	15-Sep-30 16-Dec-30	15-Sep-10 16-Dec-10	Dynamic Load Balancing And Scaling Of Allocated Cloud Resources In An Enterprise Network Managing SMS Spoofing Using SMPP Protocol
805787	805787-IN-PCT		5553/CHENP/2012	5553/CHENP/2012	IN		16-Dec-30	16-Dec-10	Managing SMS Spoofing Using SMPP Protocol
805787	805787-JP-PCT	JP5826187	2012548020	2013516898	JP	23-Oct-15	16-Dec-30	16-Dec-10	Managing SMS Spoofing Using SMPP Protocol
805787	805787-US-NP	US8271007	12/652867	20110165860	US	18-Sep-12	27-Mar-31	6-Jan-10	Managing SMS Spoofing Using SMPP Protocol  Method And Apparatus For Regulating Rogue
805792	805792-US-NP	US8249446	12/649606	20110033180	US	21-Aug-12	18-Apr-30	30-Dec-09	Behavior In Optical Network Transmission Devices
805812	805812-EP-EPA		10196979.8	EP2363982	EP		24-Dec-30	24-Dec-10	Failure prediction for Fast IGP Convergence (FAFIC)

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

	CASE	GRANT	APPLICATION	PUBLICATION		ISSUE		APPLICATION	
FAMILY	REFERENCE	NUMBER	NUMBER	NUMBER	COUNTRY	DATE	DATE	DATE	TEFEE Neighbor Discovery For Ethernet Private Line On User
805823	805823-DE-EPA	EP2341661	10290001.6	EP2341661	DE	21-Mar-12	4-Jan-30	4-Jan-10	Network Interfaces
									Neighbor Discovery For Ethernet Private Line On User Network Interfaces
805823	805823-FR-EPA	EP2341661	10290001.6	EP2341661	FR	21-Mar-12	4-Jan-30	4-Jan-10	
									Neighbor Discovery For Ethernet Private Line On User Network Interfaces
805823	805823-GB-EPA	EP2341661	10290001.6	EP2341661	GB	21-Mar-12	4-Jan-30	4-Jan-10	Method For Processing A Plurality Of Data And
805835	805835-CN-PCT	ZL201080057426	201080057426.0	CN102656850	CN	20-Jan-16	18-Nov-30	18-Nov-10	Switching Device For Switching Communication Packets
803833	803833-CI4-FCI	.0	201080037420.0	CN102030830	CIN	20-34/F10	18-1404-30	18-1404-10	Method For Processing A Plurality Of Data And
805835	805835-DE-EPA	EP2337274	09290960.5	EP2337274	DE	5-Mar-14	17-Dec-29	17-Dec-09	Switching Device For Switching Communication Packets
									Method For Processing A Plurality Of Data And Switching Device For Switching Communication
805835	805835-FR-EPA	EP2337274	09290960.5	EP2337274	FR	5-Mar-14	17-Dec-29	17-Dec-09	Packets Method For Processing A Plurality Of Data And
									Switching Device For Switching Communication
805835	805835-GB-EPA	EP2337274	09290960.5	EP2337274	GB	5-Mar-14	17-Dec-29	17-Dec-09	Packets Method For Processing A Plurality Of Data And
805835	805835-US-PCT	US9282064	13/511823	20120275460	US	8-Mar-16	10-Mar-31	18-Nov-10	Switching Device For Switching Communication Packets
805855	805855-US-NP	US8837350	12/827791	20110158205	US	16-Sep-14	2-Apr-31	30-Jun-10	Method And Apparatus For Concerted Signal Transmission On Multiple Antennas
									Optically controlled Power Mixer based Class-S
805892	805892-DE-EPA	EP2424326	10305909.3	EP2424326	DE	24-Apr-13	23-Aug-30	23-Aug-10	Concept Optically controlled Power Mixer based Class-S
805892	805892-FR-EPA	EP2424326	10305909.3	EP2424326	FR	24-Apr-13	23-Aug-30	23-Aug-10	Concept Optically controlled Power Mixer based Class-S
805892 805909	805892-GB-EPA 805909-KR-PCT	EP2424326 KR101527267	10305909.3 20127017387	EP2424326	GB KR	24-Apr-13 2-Jun-15	23-Aug-30 3-Jan-31	23-Aug-10 3-Jan-11	Concept Orthogonal Multiple Description Coding
805909	805909-EP-EPT	KK101327207	11732020.0	EP2522081	EP	2-3011-13	3-Jan-31	3-Jan-11	Orthogonal Multiple Description Coding
805910	805910-US-NP	US8422448	12/895734	20120033623	US	16-Apr-13	29-Jun-31	30-Sep-10	Group Call Control In A Wireless Broadband Communication Network
805912	805912-CN-PCT	ZL201080057169 .0	201080057169.0	CN102656494A	CN	16-Sep-15	16-Dec-30	16-Dec-10	Vertical Coupler On InP Wafer
805912	805912-EP-EPT	IDEEEDSES	10842583.6	EP2513693 2013514555	EP JP		16-Dec-30	16-Dec-10	Vertical Coupler On InP Wafer Vertical Coupler On InP Wafer
805912 805912	805912-JP-PCT 805912-KR-PCT	JP5559358 KR101435731	2012544808 20127015508	2013514555	KR KR	13-Jun-14 22-Aug-14	16-Dec-30 16-Dec-30	16-Dec-10 16-Dec-10	Vertical Coupler On InP Wafer  Vertical Coupler On InP Wafer
805912	805912-SG-PCT	SG181649	201204306-3		SG	6-May-15	16-Dec-30	16-Dec-10	Vertical Coupler On InP Wafer
805912	805912-US-NP	US8494315	12/640151	20110150386	US	23-Jul-13	10-Jun-31	17-Dec-09	Photonic Integrated Circuit Having A Waveguide- Grating Coupler
									Flexible Telecommunication Cabinet
805918	805918-DE-EPA	EP2337435	09290955.5	EP2337435	DE	24-Oct-12	17-Dec-29	17-Dec-09	Flexible Telecommunication Cabinet
805918	805918-FR-EPA	EP2337435	09290955.5	EP2337435	FR	24-Oct-12	17-Dec-29	17-Dec-09	Flexible Telecommunication Cabinet
805918	805918-GB-EPA	EP2337435	09290955.5	EP2337435	GB	24-Oct-12	17-Dec-29	17-Dec-09	
005000	COSCORO LIS CUT		40/00000	20420270524			45.1 20	20.1 42	Method And Apparatus For Reducing Redundant
805939	805939-US-CNT	US8831003	13/922335	20130279524	US	9-Sep-14	15-Jan-30	20-Jun-13	Traffic In Communication Networks
805939	805939-US-CNT[2]	US9030960	14/279482	20140247836	US	12-May-15	15-Jan-30	16-May-14	Method And Apparatus For Reducing Redundant Traffic In Communication Networks
									Method And Apparatus For Reducing Redundant
805939	805939-US-NP	US8548012	12/688307	20110176556	US	1-Oct-13	31-Dec-30	15-Jan-10	Traffic In Communication Networks
805953	805953-US-NP	US8514700	12/915790	20120106567	US	20-Aug-13	14-May-31	29-Oct-10	MLPPP Occupancy Based Round Robin
805954	805954-US-NP	US8854987	12/646771	20110149976	US	7-Oct-14	7-Aug-33	23-Dec-09	Distributing Cells On An IMA Logical Link Having Inactive IMA Sub-Links
805963	805963-FP-FPA		12290025 1	FP2618645	FP		19-Jan-32	19-Jan-12	Thermal Management Of Electronics And Photonics
000000	DODGOG ET ETY		12230023.1	E12010045			15 3411 52	13 7011 12	SMTP Extension - Integrating communication
805972	805972-DE-EPA	EP2315400	10174434.0	EP2315400	DE	17-Jun-15	27-Aug-30	27-Aug-10	hyperlinks protocol into SMTP SMTP Extension - Integrating communication
805972	805972-FR-EPA	EP2315400	10174434.0	EP2315400	FR	17-Jun-15	27-Aug-30	27-Aug-10	hyperlinks protocol into SMTP SMTP Extension - Integrating communication
805972	805972-GB-EPA	EP2315400	10174434.0	EP2315400	GB	17-Jun-15	27-Aug-30	27-Aug-10	hyperlinks protocol into SMTP  Versatile local oscillator for coherent-detection
805974	805974-EP-EPA		11150497.3	EP2343840	EP		10-Jan-31	10-Jan-11	based systems
805974	805974-FR-NP		1000102	2 <del>9</del> 55222	FR		12-Jan-30	12-Jan-10	Versatile local oscillator for coherent-detection based systems
805988	805988-EP-EPA		09360043.5	EP2306779	EP		5-Oct-29	5-Oct-09	Power Allocation
805988	805991-DE-EPA	EP2328292	10191810.0	EP2328292	DE	31-Oct-12	19-Nov-30	19-Nov-10	WDM CHANNEL EXTRACTION DEVICE
805991	805991-FR-EPA	EP2328292	10191810.0	EP2328292	FR	31-Oct-12	19-Nov-30	19-Nov-10	WDM CHANNEL EXTRACTION DEVICE
805991	805991-GB-EPA	EP2328292	10191810.0	EP2328292	GB	31-Oct-12	19-Nov-30	19-Nov-10	WDM CHANNEL EXTRACTION DEVICE
806002	806002-US-NP	US8271656	12/662798	20110276718	US	18-Sep-12	18-Mar-31	4-May-10	Decreasing Latency In Anonymity Networks Using Social Networks Sites To Control Busy/No
806006	806006-EP-EPT		11702524.7	EP2532150	EP		13-Jan-31	13-Jan-11	Answer Call Coverage
806006	806006-JP-PCT	JP5739455	2012551986	2013519297	JP	1-May-15	13-Jan-31	13-Jan-11	Using Social Networks Sites To Control Busy/No Answer Call Coverage
806006	806006-KR-PCT	KR101483040	20127022691		KR	9-Jan-15	13-Jan-31	13-Jan-11	Using Social Networks Sites To Control Busy/No Answer Call Coverage
806034	806034-DE-EPA	EP2341652	10305009.2	EP2341652	DE	17-Aug-16	5-Jan-30	5-Jan-10	Enhanced Radio Protection Switching
806034	806034-FR-EPA	EP2341652	10305009.2	EP2341652	FR	17-Aug-16	5-Jan-30	5-Jan-10	Enhanced Radio Protection Switching
806034	806034-GB-EPA	EP2341652	10305009.2	EP2341652	GB	17-Aug-16	5-Jan-30	5-Jan-10	Enhanced Radio Protection Switching
806057	806057-CN-PCT	ZL201080043520 .0	201080043520.0	CN102577285A	CN	27-May-15	17-Sep-30	17-Sep-10	Neighbor Orthogonal Training Pilots For Multi-Cell Communication Systems
806057	806057-DE-EPT	EP2484069	10757693.6	EP2484069	DE	20-Apr-16	17-Sep-30	17-Sep-10	Pilot Signal Allocation Method And Apparatus For Multi-User Wireless Systems
									Pilot Signal Allocation Method And Apparatus For
806057	806057-FR-EPT	EP2484069	10757693.6	EP2484069	FR	20-Apr-16	17-Sep-30	17-Sep-10	Multi-User Wireless Systems Pilot Signal Allocation Method And Apparatus For
806057	806057-GB-EPT	EP2484069	10757693.6	EP2484069	GB	20-Apr-16	17-Sep-30	17-Sep-10	Multi-User Wireless Systems Neighbor Orthogonal Training Pilots For Multi-Cell
806057	806057-IN-PCT		2797/CHENP/2012	2797/CHENP/2012	IN		17-Sep-30	17-Sep-10	Communication Systems

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FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	HILE
806057	806057-JP-PCT	JP5410613	2012532114	2013506380	JP	15-Nov-13	17-Sep-30	17-Sep-10	Neighbor Orthogonal Training Pilots For Multi-Cell Communication Systems
806057	806057-US-NP	US8179779	12/586823	20110075617	US	15-May-12	10-Nov-30	29-Sep-09	Pilot Signal Allocation Method and Apparatus for Multi-User Wireless Systems
806092	806092-US-NP	US8639692	12/824849	20110320447	US	28-Jan-14	20-Aug-31	28-Jun-10	High-Dimensional Stratified Sampling
806092 806092	806092-JP-PCT 806092-KR-PCT	JP5687763 KR101442383	2013518418 20127034078	2013534674	JP KR	30-Jan-15 12-Sep-14	9-Jun-31 9-Jun-31	9-Jun-11 9-Jun-11	Hig-Dimensional Stratified Sampling Hig-Dimensional Stratified Sampling
806092	806092-US-CNT	US9047362	14/053806	20140040268	US	2-Jun-15	28-Jun-30	15-Oct-13	High-Dimensional Stratified Sampling
806107	806107-DE-EPA	EP2309796	09360044.3	EP2309796	DE	4-Jul-12	7-Oct-29	7-Oct-09	Method For Handling Femto to Femto Handover Failures
806107	806107-FR-EPA	EP2309796	09360044.3	EP2309796	FR	4-Jul-12	7-Oct-29	7-Oct-09	Method For Handling Femto to Femto Handover Failures
806107	806107-GB-EPA	EP2309796 KR101429029	09360044.3	EP2309796	GB	4-Jul-12	7-Oct-29	7-Oct-09	Method For Handling Femto to Femto Handover Failures
806135 806144	806135-KR-PCT 806144-EP-EPA	KK101429029	20127018108 11158335.7	EP2367305	KR EP	5-Aug-14	15-Dec-30 15-Mar-31	15-Dec-10 15-Mar-11	Small cell UL interference management A Method For Compensating For A Heterogeneous Optical Line
806148	806148-DE-EPA	EP2544018	11290288.7	EP2544018	DE	3-Apr-13	27-Jun-31	27-Jun-11	Schätzung Der Position Einer Mobilen Vorrichtung
806148	806148-FR-EPA	EP2544018	11290288.7	EP2544018	FR	3-Apr-13	27-Jun-31	27-Jun-11	Estimation de la localisation d'un dispositif mobile
806148	806148-GB-EPA	EP2544018	11290288.7	EP2544018	GB	3-Apr-13	27-Jun-31	27-Jun-11	Estimating A Location Of A Mobile Device
806246	806246-US-NP	US9081078	12/698243	201101875 <del>99</del>	US	14-Jul-15	11-Jul-32	2-Feb-10	Technique For Effectively Communicating Location Information In A Wireless Communication Service
806283	806283-DE-EPA	EP2403167	10290356.4	EP2403167	DE	10-Oct-12	30-Jun-30	30-Jun-10	Forward error correction for differentially encoded transmission systems
806283	806283-FR-EPA	EP2403167	10290356.4	EP2403167	FR	10-Oct-12	30-Jun-30	30-Jun-10	Forward error correction for differentially encoded transmission systems
806283	806283-GB-EPA	EP2403167	10290356.4	EP2403167	GB	10-Oct-12	30-Jun-30	30-Jun-10	Forward error correction for differentially encoded transmission systems
806317	806317-EP-EPA	71 201 00005755	11159661.5	EP2372993	EP		24-Mar-31	24-Mar-11	Energy saver modes controlled by user presence (IM) state
806336	806336-CN-PCT	ZL201080057574 .2	201080057574.2	CN102656868A	CN	30-Sep-15	23-Nov-30	23-Nov-10	System And Method For Controlling Peer-To-Peer Connections
806336	806336-DE-EPT	EP2514172	10784638.8	EP2514172	DE	14-May-14	23-Nov-30	23-Nov-10	System And Method For Controlling Peer-To-Peer Connections
806336	806336-FR-EPT	EP2514172	10784638.8	EP2514172	FR	14-May-14	23-Nov-30	23-Nov-10	System And Method For Controlling Peer-To-Peer Connections System And Method For Controlling Peer-To-Peer
806336	806336-GB-EPT	EP2514172	10784638.8	EP2514172	GB	14-May-14	23-Nov-30	23-Nov-10	Connections System And Method For Controlling Peer-To-Peer
806336	806336-IN-PCT		4950/CHENP/2012	4950/CHENP/2012	IN		23-Nov-30	23-Nov-10	Connections System And Method For Controlling Peer-To-Peer
806336	806336-JP-PCT	JP5591350	2012544553	2013514728	JP	8-Aug-14	23-Nov-30	23-Nov-10	Connections System And Method For Controlling Peer-To-Peer
806336	806336-US-NP	US8949436	12/641429	20110153835	US	3-Feb-15	27-Sep-32	18-Dec-09	Connections
806336	806336-KR-PCT	KR101421040	20127018538		KR	14-Jul-14	23-Nov-30	23-Nov-10	System And Method For Controlling Peer-To-Peer Connections
806347	806347-JP-PCT	JP5646049	2013510547	2013531287	JP	24-Dec-14	2-May-31	2-May-11	System For Processing Data Relating To Buildings
806348	806348-DE-EPA	EP2328297	09360051.8	EP2328297	DE	12-Sep-12	27-Nov-29	27-Nov-0 <del>9</del>	Data packet transmission regime modification and notification thereof to a set of active base stations
806348	806348-FR-EPA	EP2328297	09360051.8	EP2328297	FR	12-Sep-12	27-Nov-29	27-Nov-09	Data packet transmission regime modification and notification thereof to a set of active base stations
									Data packet transmission regime modification and
806348	806348-GB-EPA	EP2328297 ZL201280011857	09360051.8	EP2328297	GB	12-Sep-12	27-Nov-29	27-Nov-09	notification thereof to a set of active base stations  Method Of Performing An Inter-Technology Handoff
806359	806359-CN-PCT	.2	201280011857.2	CN103430594A	CN	8-Feb-17	14-Feb-32	14-Feb-12	In A Loosely Coupled Architecture  Method Of Performing An Inter-Technology Handoff
806359	806359-JP-PCT	JP5791739	2013557727	2014510485	JP	14-Aug-15	14-Feb-32	14-Feb-12	In A Loosely Coupled Architecture  Method Of Performing An Inter-Technology Handoff
806359	806359-KR-PCT	KR101551674	20137026238		KR	3-Sep-15	14-Feb-32	14-Feb-12	In A Loosely Coupled Architecture  Method Of Performing An Inter-Technology Handoff
806359	806359-US-NP		13/042777	20120230293	US		8-Mar-31	8-Mar-11	In A Loosely Coupled Architecture  Method Of Performing An Inter-Technology Handoff
806359	806359-EP-EPT		12706380.8	EP2684394	EP		14-Feb-32	14-Feb-12	In A Loosely Coupled Architecture Element Of A Wavelength Division Multiplexing
806369	806369-JP-PCT	JP5410620	2012555351	2013521683	JP	15-Nov-13	11-Feb-31	11-Feb-11	Optical Network Element Of A Wavelength Division Multiplexing
806369	806369-US-PCT	US8774633	13/579866	20130108265	US	8-Jul-14	20-Jun-31	11-Feb-11	Optical Network Cross Layer Coding For Satellite Mobile TV Broadcast
806414	806414-EP-EPT		13740164.2	EP2875643	EP		12-Jul-33	12-Jul-13	Method And Apparatus Cross Layer Coding For Satellite Mobile TV Broadcast
806414	806414-CN-PCT		201380037841.3	CN104471948A	CN		12-Jul-33	12-Jul-13	Method And Apparatus Cross Layer Coding For Satellite Mobile TV Broadcast
806414	806414-JP-PCT		2015523142	2015532794	JP		12-Jul-33	12-Jul-13	Method And Apparatus Cross Layer Coding For Satellite Mobile TV Broadcast
806414	806414-US-NP	US9131254	13/552800	20140023147	US	8-Sep-15	26-May-33	19-Jul-12	Method And Apparatus  Control Options During Information Recording
806421	806421-JP-PCT	JP5628420	2013517041	2013530655	JP	10-Oct-14	10-Sep-30	10-Sep-10	Sessions  Control Capabilities For Information Recording
806422	806422-EP-EPT		10778580.0	EP2594081	EP		14-Sep-30	14-Sep-10	Sessions
806422	806422-KR-PCT	KR101486675	20137001115		KR	20-Jan-15	14-Sep-30	14-Sep-10	Control Capabilities For Information Recording Sessions
806441	806441-KR-PCT	KR101479019	20127028220		KR	29-Dec-14	23-Mar-31	23-Mar-11	System And Method For Dynamically Adjusting Quality Of Service Configuration Based On Real-Time Traffic
				20425					System And Method For Dynamically Adjusting Quality Of Service Configuration Based On Real-Time
806441	806441-JP-PCT	JP5570652	2013502652	2013524631	JP	4-Jul-14	23-Mar-31	23-Mar-11	Traffic Splitter-box for CoMP overlay in fiber backhauling
806451	806451-EP-EPA		10305076.1	EP2348787	EP		22-Jan-30	22-Jan-10	networks for LTE

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION	APPLICATION DATE	TITLE
806472	806472-DE-EPA	EP2472783	11150127.6	EP2472783	DE	29-May-13	4-Jan-31	4-Jan-11	PROCEDE DE SELECTION DE NOEUDS DE BORDURE INTER-DOMAINES
					FR				PROCEDE DE SELECTION DE NOEUDS DE BORDURE INTER-DOMAINES
806472	806472-FR-EPA	EP2472783	11150127.6	EP2472783		29-May-13	4-Jan-31	4-Jan-11	PROCEDE DE SELECTION DE NOEUDS DE BORDURE
806472	806472-GB-EPA	EP2472783	11150127.6	EP2472783	GB	29-May-13	4-Jan-31	4-Jan-11	INTER-DOMAINES Method And Appartus For Detecting A Misaligned
806554	806554-US-NP	US8526027	12/726491	20110228308	US	3-Sep-13	24-Dec-31	18-Mar-10	Page
806558	806558-EP-EPA		10305185.0	EP2369355	EP		25-Feb-30	25-Feb-10	Pushing Functionality for locked PLLs and Synthesizer
806559	806559-EP-EPA		10306283.2	EP2456242	EP		23-Nov-30	23-Nov-10	Improved security for mobile terminal temporary identifiers
806570	806570-US-NP	US8861352	12/802088	20110292797	US	14-Oct-14	15-May-33	28-May-10	Dynamic Delay Budget Allocation Using Single-Point Estimation Of End-To-End Delay
806615	806615-EP-EPA		10305893.9	EP2420882	EP		16-Aug-30	16-Aug-10	Improved saturation power Electro-Absorption Modulator by Selective Area Growth
									Method For Operating A Relay Node Of A Mobile Communication Network And Relay Node Of A
806618	806618-DE-EPA	EP2410812	10290416.6	EP2410812	DE	5-Jun-13	22-Jul-30	22-Jul-10	Mobile Communication Network  Method For Operating A Relay Node Of A Mobile
806618	806618-FR-EPA	EP2410812	10290416.6	EP2410812	FR	5-Jun-13	22-Jul-30	22-Jul-10	Communication Network And Relay Node Of A Mobile Communication Network
									Method For Operating A Relay Node Of A Mobile Communication Network And Relay Node Of A
806618	806618-GB-EPA	EP2410812	10290416.6	EP2410812	GB	5-Jun-13	22-Jul-30	22-Jul-10	Mobile Communication Network  Adaptive Distinct Counting For Network-Traffic
806632	806632-US-NP	US8931088	12/732293	20110239299	US	6-Jan-15	27-Apr-32	26-Mar-10	Monitoring And Other Applications  Phase skew compensation at a coherent optical
806639	806639-KR-PCT	10-1508912	10-2012-7027458		KR	31-Mar-15	21-Apr-30	21-Apr-10	receiver
806657	806657-DE-EPA	EP2355421	10360004.5	EP2355421	DE	22-Aug-12	20-Jan-30	20-Jan-10	Minimising Data Session Interruption for LTE Handover
806657	806657-FR-EPA	EP2355421	10360004.5	EP2355421	FR	22-Aug-12	20-Jan-30	20-Jan-10	Minimising Data Session Interruption for LTE Handover
806657	806657-GB-EPA	EP2355421	10360004.5	EP2355421	GB		20-Jan-30	20-Jan-10	Minimising Data Session Interruption for LTE Handover
806664	806664-US-NP	US8446725	12/851299	20120033379	US	22-Aug-12 21-May-13	9-Feb-31	5-Aug-10	Airflow Control In An Electronic Chassis
806680	806680-IN-PCT		328/CHENP/2013	328/CHENP/2013	IN		21-Jun-31	21-Jun-11	Automated installation and activation of software on CPEs by using RF-id
806680	806680-JP-PCT	JP5684907	2013-517166	2013530472	JP	23-Jan-15	21-Jun-31	21-Jun-11	Automated installation and activation of software on CPEs by using RF-id
				2013330472					Automated installation and activation of software on
806680	806680-KR-PCT	KR10-1478570	10-2013-7002228		KR	26-Dec-14	21-Jun-31	21-Jun-11	CPEs by using RF-id Method For Installation Of An Application
806680	806680-DE-EPA	EP2403216	10290359.8	EP2403216	DE	5-Mar-14	30-Jun-30	30-Jun-10	Method For Installation Of An Application
806680	806680-FR-EPA	EP2403216	10290359.8	EP2403216	FR	5-Mar-14	30-Jun-30	30-Jun-10	Method For Installation Of An Application
806680	806680-GB-EPA	EP2403216	10290359.8	EP2403216	GB	5-Mar-14	30-Jun-30	30-Jun-10	Prevention Of Mismatch Of Authentication
806696	806696-US-NP	US8995959	13/237032	20130072156	US	31-Mar-15	12-Feb-33	20-Sep-11	Parameter In Hybrid Communication System
									INTER-NODE B SERVING HS-DSCH CELL CHANGE WITH TARGET CELL PRE-CONFIGURATION AND
806794	806794-EP-EPT		11700013.3	EP2534879	EP		4-Jan-31	4-Jan-11	SIGNALING OF ALTERNATIVE CONFIGURATION INFORMATION TO USER EQUIPMENT
806801	806801-JP-PCT	JP5681277	2013503762	2013524286	JP	16-Jan-15	22-Mar-31	22-Mar-11	Optical Grating Coupler
806801	806801-EP-EPT		11711234.2	EP2556396	EP		22-Mar-31	22-Mar-11	Optical Grating Coupler
806826	806826-EP-EPA		10305542.2	EP2389040	EP		21-May-30	21-May-10	System Load Indication and Load Control Method POLARIZATION DEMULTIPLEXING
806833	806833-DE-EPA	EP2381594	10305416.9	EP2381594	DE	31-May-17	21-Apr-30	21-Apr-10	AT A COHERENT OPTICAL RECEIVER
806833	806833-FR-EPA	EP2381594	10305416.9	EP2381594	FR	31-May-17	21-Apr-30	21-Apr-10	POLARIZATION DEMULTIPLEXING AT A COHERENT OPTICAL RECEIVER
806833	806833-GB-EPA	EP2381594	10305416.9	EP2381594	GB	31-May-17	21-Apr-30	21-Apr-10	POLARIZATION DEMULTIPLEXING AT A COHERENT OPTICAL RECEIVER
806845	806845-DE-EPA	EP2403169	10305705.5	EP2403169	DE	16-Jan-13	29-Jun-30	29-Jun-10	A Method In An Optical Network To Allocate A Total Optical Bandwidth
806845	806845-FR-EPA	EP2403169	10305705.5	EP2403169	FR	16-Jan-13	29-Jun-30	29-Jun-10	A Method In An Optical Network To Allocate A Total Optical Bandwidth
									A Method In An Optical Network To Allocate A Total
806845	806845-GB-EPA	EP2403169	10305705.5	EP2403169	GB	16-Jan-13	29-Jun-30	29-Jun-10	Optical Bandwidth System, Method, And Apparatus For High-Sensitivity
806873	806873-US-NP	US8879922	13/270804	20130089339	US	4-Nov-14	20-Apr-33	11-Oct-11	Optical Detection  Power-Aware Task Management for Mobile
806875	806875-EP-EPT		12703663.0	EP2673993	EP		31-Jan-32	31-Jan-12	Terminals  Power-Aware Task Management for Mobile
806875	806875-JP-PCT	JP5785273	2013553459	2014511595	JP	31-Jul-15	31-Jan-32	31-Jan-12	Terminals
806875	806875-KR-PCT	KR101529539	20137023195		KR	11-Jun-15	31-Jan-32	31-Jan-12	Power-Aware Task Management for Mobile Terminals
806924	806924-IN-PCT		1800/CHENP/2013	1800/CHENP/2013	IN		23-Jun-31	23-Jun-11	Text Messaging Over An eHRPD Network
806924	806924-JP-PCT	JP5695192	2013518493	2013534787	JP	13-Feb-15	23-Jun-31	23-Jun-11	Text Messaging Over An eHRPD Network
806924	806924-KR-PCT	KR101487730	20137002902		KR	23-Jan-15	23-Jun-31	23-Jun-11	Text Messaging Over An eHRPD Network Text Messaging Over An eHRPD Network
806924	806924-US-NP	US8195209	10280258.7	20120009955	US	5-Jun-12	6-Oct-30	6-Jul-10	Bi-directional fiber-fed wireless system with digital
806965	806965-DE-EPA	EP2403166	10290369.7	EP2403166	DE	21-Jan-15	2-Jul-30	2-Jul-10	optical signals Bi-directional fiber-fed wireless system with digital
806965	806965-FR-EPA	EP2403166	10290369.7	EP2403166	FR	21-Jan-15	2-Jul-30	2-Jul-10	optical signals Bi-directional fiber-fed wireless system with digital
806965	806965-GB-EPA	EP2403166	10290369.7	EP2403166	GB	21-Jan-15	2-Jul-30	2-Jul-10	optical signals Feedback For Multi-User Mimo Systems
806970	806970-IN-PCT		9163/CHENP/2012	9163/CHENP/2012	IN		7-Mar-31	7-Mar-11	Feedback For Multi-User Mimo Systems
806970	806970-BR-PCT		112012024858.8	112012024858.8	BR		7-Mar-31	7-Mar-11	
806985	806985-EP-EPA		10290233.5	EP2385725	EP		3-May-30	3-May-10	Forwarding of UE mobility state information on X2 interface
807000	807000-KR-PCT	KR101487222	20127026234		KR	22-Jan-15	14-Feb-31	14-Feb-11	Methods For Reducing Interference In Communication Systems
007000	OU OUG-KIN-FOI	MT0140/222	2012/020234	l .	I NN	24-181-13	14-160-31	14-160-11	communication systems

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

WILY	CASE REFERENCE	GRANT NUMBER	application Number	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	TITLE  Methods For Reducing Interference In
807000	807000-US-NP	US9048907	12/659471	20110223867	US	2-Jun-15	31-Mar-31	10-Mar-10	Communication Systems  Method And Apparatus For Reducing Effects Of Lost
807009	807009-DE-EPT	EP2548393	11712077.4	EP2548393	DE	12-Jul-17	10-Mar-31	10-Mar-11	Packets On Redundancy Reduction In Communication Networks Method And Apparatus For Reducing Effects Of Lost
807009	807009-FR-EPT	EP2548393	11712077.4	EP2548393	FR	12-Jul-17	10-Mar-31	10-Mar-11	Packets On Redundancy Reduction In Communication Networks Method And Apparatus For Reducing Effects Of Lost
807009	807009-GB-EPT	EP2548393	11712077.4	EP2548393	GB	12-Jul-17	10-Mar-31	10-Mar-11	Packets On Redundancy Reduction In Communication Networks Method And Apparatus For Reducing Effects Of Lost
807009	807009-US-CIP	US8432911	12/732800	20110176543	US	30-Apr-13	23-Nov-30	26-Mar-10	Packets On Redundancy Reduction In Communication Networks Interface Between a Plurality of Graphical
807031	807031-EP-EPA		10305688.3	EP2400385	EP		28-Jun-30	28-Jun-10	Applications
807087	807087-EP-EPA		10360032.6	EP2413269	EP		30-Jul-30	30-Jul-10	A Method For Achieving Self-x Properties In Highly Dimensional Or Continuous Systems
807091	807091-JP-PCT	JP5583274	2013523548	2013544380	JP	25-Jul-14	7-Jul-31	7-Jul-11	Automatic Memory Zeroing In Processor Caches
807091	807091-KR-PCT	KR101451045	2013-7005686		KR	7-Oct-14	7-Jul- <b>31</b>	7-Jul-11	Automatic Memory Zeroing In Processor Caches
807091	807091-CN-PCT	ZL201180036120 .1	201180036120.1	CN103052945	CN	16-Sep-15	7-Jul-31	7-Jul-11	Automatic Memory Zeroing In Processor Caches
807098	807098-DE-EPA	EP2429247	10290477.8	EP2429247	DE	24-Dec-14	6-Sep-30	6-Sep-10	Method For Operating A Wireless Communication Network, Base Station Of A Wireless Communication Network, Terminal of A Wireless Communication Network And Wireless Communication Network
807098	807098-DE-EPA	EP2429247	102904/7.8	EP2429247	DE	24-Dec-14	6-sep-au	6-Sep-10	Method For Operating A Wireless Communication Network, Base Station Of A Wireless Communicatio Network, Terminal of A Wireless Communication
807098	807098-FR-EPA	EP2429247	10290477.8	EP2429247	FR	24-Dec-14	6-Sep-30	6-Sep-10	Network And Wireless Communication Network
007000		500.000.00					6.6 .00		Method For Operating A Wireless Communication Network, Base Station Of A Wireless Communication Network, Terminal of A Wireless Communication Network And Wireless Communication Network
807098	807098-GB-EPA	EP2429247	10290477.8	EP2429247	GB	24-Dec-14	6-Sep-30	6-Sep-10	Methods And Apparatus For Identifying Peers On A Peer-To-Peer Network
807164	807164-US-NP	US9191438	12/894328	20120084429	US	17-Nov-15	28-Jul-31	30-Sep-10	Frequency Synchronization Using Clock Recovery
807166 807169	807166-US-NP	US8693608 KR101464145	12/885958 20137018855	20120069944	US KR	8-Apr-14 17-Nov-14	27-Dec-31	20-Sep-10	Loop With Adaptive Packet Filtering  A method, a system, a server, a client, a computer program and a computer program product for determining a user guide in a computer network
807187	807187-DE-EPA	EP2403135	10290342.4	EP2403135	DE	11-Nov-14 11-Dec-13	24-Jun-30	24-Jun-10	High-Efficiency Four-Way Doherty Amplifier
807187	807187-FR-EPA	EP2403135	10290342.4	EP2403135	FR	11-Dec-13	24-Jun-30	24-Jun-10	High-Efficiency Four-Way Doherty Amplifier
807187 807188	807187-GB-EPA 807188-DE-EPA	EP2403135 EP2418769	10290342.4	EP2403135 EP2418769	GB DE	11-Dec-13 4-Sep-13	24-Jun-30 20-Jul-30	24-Jun-10 20-Jul-10	High-Efficiency Four-Way Doherty Amplifier  Power Amplifier For Mobile Telecommunications
807188	807188-FR-EPA	EP2418769	10290409.1	EP2418769	FR	4-Sep-13	20-Jul-30 20-Jul-30	20-Jul-10 20-Jul-10	Power Amplifier For Mobile Telecommunications  Power Amplifier For Mobile Telecommunications
807188 807249	807188-GB-EPA 807249-KR-PCT	EP2418769 KR101446450	10290409.1 2013-7004467	EP2418769	GB KR	4-Sep-13 24-Sep-14	20-Jul-30 25-Jul-31	20-Jul-10 25-Jul-11	Power Amplifier For Mobile Telecommunications Enhanced Manifest for HAS Streaming Method For Transmission Of Data In A Radio
807253	807253-DE-EPA	EP2403174	10305698.2	EP2403174	DE	30-Oct-13	29-Jun-30	29-Jun-10	Communication System, First Network Node And Second Network Node Thereof
807253	807253-FR-EPA	EP2403174	10305698.2	EP2403174	FR	30-Oct-13	29-Jun-30	29-Jun-10	Method For Transmission Of Data In A Radio Communication System, First Network Node And Second Network Node Thereof
807253	807253-GB-EPA	EP2403174	10305698.2	EP2403174	GB	30-Oct-13	29-Jun-30	29-Jun-10	Method For Transmission Of Data In A Radio Communication System, First Network Node And Second Network Node Thereof
807264	807264-CN-PCD	ZL201310655246	201310655246.8	103634490	CN	16-Sep-15	24-Jan-32	24-Jan-12	A Gateway For The Survivability Of An Enterprise Network Using SIP
807264	807264-CN-PCT	ZL201280013166 .6	201280013166.6	103430524	CN	15-Apr-15	24-Jan-32	24-Jan-12 24-Jan-12	A Backup SIP Server For The Survivability Of An Enterprise Network Using SIP
						·			A Gateway For The Survivability Of An Enterprise Network Using SIP
807264	807264-IN-PCD		7792/CHENP/2013		IN		24-Jan-32	24-Jan-12	A Backup SIP Server For The Survivability Of An
807264	807264-IN-PCT		7252/CHENP/2013	/232/CHENP/2013	IN		24-Jan-32	24-Jan-12	Enterprise Network Using SIP  A Gateway For The Survivability Of An Enterprise Network Using SIP
807264	807264-JP-PCD	JP5865404	201425081	2014150535	JP	8-Jan-16	24-Jan-32	24-Jan-12	A Backup SIP Server For The Survivability Of An
807264	807264-JP-PCT	JP5636516	2013558332	2014511072	JP	24-Oct-14	24-Jan-32	24-Jan-12	Enterprise Network Using SIP  A Gateway For The Survivability Of An Enterprise Network Using SIP
807264	807264-KR-PCD	KR101431413	20137024308		KR	11-Aug-14	24-Jan-32	24-Jan-12	A Backup SIP Server For The Survivability Of An
807264	807264-KR-PCT	KR101458336	20137024286		KR	29-Oct-14	24-Jan-32	24-Jan-12	Enterprise Network Using SIP  Gateway For The Survivability Of An Enterprise
807264	807264-US-PCD	US9477561	14/021491	20140012996	US	25-Oct-16	2-Feb-35	9-Sep-13	Network Using SIP  Backup SIP Server For The Survivability Of An
807264	807264-US-PCT	US9201743	14/000714	US20130346789	US	1-Dec-15	24-Jun-32	24-Jan-12	Enterprise Network Using SIP  Validating Ethernet Virtual Connection Service
	807280-US-NP	US8891385	12/984213	20120170465	US	18-Nov-14	3-Feb-32	4-Jan-11	and a second sec

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	Case Reference	Grant Number	Application Number	NUMBER	COUNTRY	ISSUE DATE	EXPERATION BATE	APPLICATION DATE	TITEE Handover Data Exchange With An IEEE 802.21
807287	807287-EP-EPA		10306193.3	EP2448208	EP		29-Oct-30	29-Oct-10	Network Entity
	807300-US-NP	US8397989	12/791086	20110290875	US	19-Mar-13	23-Mar-31	1-Jun-10	Method And Apparatus For Using Boarding Passes To Apply Business Rules
	807317-FR-NP	FR2965131	1003727	2965131	FR	28-Sep-12	20-Sep-30	20-Sep-10	Delay Asymmetry Compensation (DAC) Method For Correcting A Delay Asymmetry
	807317-JP-PCT	JP5671619	2013528748	2013538022	JP	26-Dec-14	15-Sep-31	15-Sep-11	Method For Correcting A Delay Asymmetry
	807317-KR-PCT 807317-EP-EPT	KR101479483	11773098.6	EP2619936	KR EP	30-Dec-14	15-Sep-31 15-Sep-31	15-Sep-11 15-Sep-11	Method For Correcting A Delay Asymmetry
	807327-CN-PCT	ZL201180047563	201180047563.0	CN10314107A	CN	3-Aug-16	22-Aug-31	22-Aug-11	A Method and a Device for Managing an Urgent Call
807327	807327-EP-EPT		11749156.3	EP2609725	EP		22-Aug-31	22-Aug-11	Urgent Call Management System
807327	807327-FR-NP	FR2964284	1056753	2964284	FR	17-Aug-12	25-Aug-30	25-Aug-10	Contact Me Through My Neighbors
	807327-IN-PCT 807327-JP-PCT	JP5931066	1675/DELNP/2013 2013525277	1675/DELNP/2013 2013541871	IN JP	13-May-16	22-Aug-31 22-Aug-31	22-Aug-11 22-Aug-11	Urgent Call Management System Urgent Call Management System
	807332-EP-EPA	EP2402869	11161031.7	EP2402869	EP	25-Jan-17	4-Apr-31	4-Apr-11	A Method and a Tool for Smart Opening/Saving of Documents in Operating Systems with Folders Semantic Indexing
007222	0072222 ID DCT	IDEC27772	2012517424	2012521051		10.0 14	2.14 21	2.14 44	A Method and a Tool for Smart Opening/Saving of Documents in Operating Systems with Folders
807332	807332-JP-PCT	JP5627772	2013517434	2013531851	JP	10-Oct-14	2-May-31	2-May-11	Semantic Indexing  A Method and a Tool for Smart Opening/Saving of Documents in Operating Systems with Folders
807332	807332-KR-PCT	KR101434947	20127033967		KR	21-Aug-14	2-May-31	2-May-11	Semantic Indexing  A Method and a Tool for Smart Opening/Saving of
807777	007222 ED ND	rpapeaaae	1003766	2052225	ED.	12 1	20 lun 20	30 lun 10	Documents in Operating Systems with Folders
	807332-FR-NP 807366-CN-PCT	FR2962236	1002766 201380008536.1	2962236 CN104115484A	FR CN	13-Jul-12	30-Jun-30 6-Feb-33	30-Jun-10 6-Feb-13	Semantic Indexing Lensless Compressive Image Acquisition
	807366-KR-PCT 807366-US-CNT	KR101647241	20147022069 14/609804	20140111025 20160006916	KR US	3-Aug-16	6-Feb-33 7-Feb-32	6-Feb-13 30-Jan-15	Lensless Compressive Image Acquisition Lensless Compressive Image Acquisition
	807366-EP-EPT		13704699.1	EP2813070	EP		6-Feb-33	6-Feb-13	Lensless Compressive Image Acquisition
807423	807423-US-NP	US8601199	12/806898	20120054405	US	3-Dec-13	28-Jul-31	24-Aug-10	Virtual Ethernet Switch Via PCI-E Card
807435	807435-US-NP	US8559331	12/880373	20120063352	US	15-Oct-13	10-Sep-31	13-Sep-10	Tri-Colour Data Packet Counting For Tri-Colour Marking Policies
807462	807462-EP-EPA		10290430.7	EP2413244	EP		30-Jul-30	30-Jul-10	Weighted Memory Allocation mechanism for a multi- class cache
807476	807476-EP-EPA		10306045.5	EP2434854	EP		28-Sep-30	28-Sep-10	Venturi-supported Double Wall Ventilation of Free Airflow Cooled Cabinet
807498	807498-EP-EPT		11749038.3	EP2604058	EP		1-Aug-31	1-Aug-11	Enabling A Distributed Policy Architecture With Extended Son (Extended Self Organizing Networks)
									Enabling A Distributed Policy Architecture With
807498	807498-KR-PCT	KR101495557	20137006004		KR	16-Feb-15	1-Aug-31	1-Aug-11	Extended Son (Extended Self Organizing Networks)  A Monolithic Integrated Structure Comprising A
807519	807519-CN-PCT	ZL201180047519	201180047519.X	CN103154791A	CN	1-Jul-15	27-Sep-31	27-Sep-11	Buried Heterostructure Semiconductor Optical Amplifier And A Photodetector
807313	507313-CN-FCI		201180047313.X	CN103134731A	CIV	1-301-13	27-зер-31	27-3ep-11	A Monolithic Integrated Structure Comprising A Buried Heterostructure Semiconductor Optical Amplifier And A Photodetector
807519	807519-EP-EPA		10306064.6	EP2439822	EP		30-Sep-30	30-Sep-10	
									A Monolithic Integrated Structure Comprising A Buried Heterostructure Semiconductor Optical Amplifier And A Photodetector
807519	807519-JP-PCT	JP5837601	2013530701	2013540351	JP	13-Nov-15	27-Sep-31	27-Sep-11	A Monolithic Integrated Structure Comprising A
									Buried Heterostructure Semiconductor Optical Amplifier And A Photodetector
807519	807519-KR-PCT	KR101525334	20137011120		KR	27-May-15	27-Sep-31	27-Sep-11	A Monolithic Integrated Structure Comprising A
									Buried Heterostructure Semiconductor Optical Amplifier And A Photodetector
807519	807519-US-PCT	US8995804	13/824726	20130301985	US	31-Mar-15	27-Sep-31	27-Sep-11	
807527	807527-DE-EPA	EP2437441	10290521.3	EP2437441	DE	25-Sep-13	30-Sep-30	30-Sep-10	Look-up table for routing in elastic optical networks
807527	807527-FR-EPA	EP2437441	10290521.3	EP2437441	FR	25-Sep-13	30-Sep-30	30-Sep-10	Look-up table for routing in elastic optical networks
	807527-GB-EPA	EP2437441	10290521.3	EP2437441	GB	25-Sep-13	30-Sep-30	30-Sep-10	Look-up table for routing in elastic optical networks
	807528-US-NP	US9378503	12/801893	20120005370	US	28-Jun-16	27-Nov-33	30-Jun-10	Methods Of Routing For Networks With Feedback
	807529-JP-PCT	JP5603485	2013512655	2013533535	JP	29-Aug-14	17-May-31	17-May-11	Application Layer Authentication In Packet Networks
	807529-KR-PCT	KR101495412	20127030966		KR	13-Feb-15	17-May-31	17-May-11	Application Layer Authentication In Packet Networks
	807529-US-NP	US8973125	12/790143	20110296518	US	3-Mar-15	14-Feb-31	28-May-10	Application Layer Authentication In Packet Networks
	807529-EP-EPT 807551-US-NP	US8582423	11722965.8 13/010617	EP2577932 20120033678	EP US	12-Nov-13	17-May-31 21-Aug-31	17-May-11 20-Jan-11	Application Layer Authentication In Packet Networks Multi-Chassis Inter-Process Communication
807552	807552-US-NP	US9059940	13/010343	20120033541	US	16-Jun-15	20-Nov-31	20-Jan-11	System And Method For Transport Control Protocol In A Multi-Chassis Domain
807553	807553-US-NP	US8488608	13/010414	20120033669	US	16-Jul-13	25-Jul-31	20-Jan-11	System And Method For Traffic Distribution In A Multi-Chassis Link Aggregation  Method For Chassing An Alexandr Offling Chassing
807568	807568-US-NP	US9357081 ZL201180038254	12/946394	20120123914	US	31-May-16	23-Apr-33	15-Nov-10	Method For Choosing An Alternate Offline Charging System During An Overload And Apparatus Associated Therewith
<u> </u>									

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY 807570	CASE REFERENCE 807570-KR-PCT	GRANI NUMBER KR101455013	APPLICATEON NUMBER 20137002752	PUBLICATION NUMBER	COUNTRY KR	1550E BATE 20-Oct-14	EXPURATION DATE 19-Jul-31	APPLICATION DATE 19-Jul-11	<b>TITIE</b> Multi-Chassis Virtual-Fabric Aggregation
807570	807570-US-NP	US8767735	13/010168	20120033665	US	1-Jul-14	9-Sep-31	20-Jan-11	System And Method For Multi-Chassis Link Aggregation
807582	807582-US-NP	US8462774	13/010711	20120033672	US	11-Jun-13	14-Sep-31	20-Jan-11	Virtual IP Interfaces On Multi-Chassis Link Aggregates
807585	807585-US-NP		12/956714	20120137257	us		30-Nov-30	30-Nov-10	Human Readable Iconic Display
807606	807606-EP-EPA		10306332.7	EP2461550	EP		1-Dec-30	1-Dec-10	Call Back Remainder Notification
807643	807643-DE-EPA	EP2472718	11290003.0	EP2472718	DE	22-Jul-15	3-Jan-31	3-Jan-11	Digital Doherty
807643	807643-FR-EPA	EP2472718	11290003.0	EP2472718	FR	22-Jul-15	3-Jan-31	3-Jan-11	Digital Doherty
807643	807643-GB-EPA	EP2472718	11290003.0	EP2472718	GB	22-Jul-15	3-Jan-31	3-Jan-11	Digital Doherty
807656 807656	807656-EP-EPA 807656-IN-NP		11187179.4 2578/DEL/2010	EP2587858	EP IN		28-Oct-31 28-Oct-30	28-Oct-11 28-Oct-10	A Process For Routing Communication Data In A Communication Network, And Module In Said Communication Network A Method of applying quench factor
807659	807659-EP-EPT		11813850.2		EP		22-Dec-31	22-Dec-11	Airspeed Measurement For Jets, Cars And Trucks
807659	807659-JP-PCT	JP5711388	2013548423	2014501931	JP	13-Mar-15	22-Dec-31	22-Dec-11	Airspeed Measurement For Jets, Cars And Trucks
807660	907550 ED EDT		11790696.6	EP2641357	EP		10-Nov-31	10 Nov 11	Method And System For Client Recovery Strategy In A Redundant Server Configuration
80/660	807660-EP-EPT		11730636.6	EP2041337	tr		10-1107-31	10-Nov-11	Method And Apparatus For Efficient Generation Of
807712	807712-CN-PCT	ZL201280004817 .5	201280004817.5	CN103444103A	CN	9-Nov-16	5-Jan-32	5-Jan-12	Interleaved Return-To-Zero (IRZ) Polarization- Division Multiplexed (PDM) Signals Apparatus And Method For Generating Interleaved
807712	807712-DE-EPT	EP2661827	12701196.3	EP2661827	DE	27-May-15	5-Jan-32	5-Jan-12	Return-To-Zero (IRZ) Polarization-Division Multiplexed (PDM) Signals Apparatus And Method For Generating Interleaved
807712	807712-FR-EPT	EP2661827	12701196.3	EP2661827	FR	27-May-15	5-Jan-32	5-Jan-12	Return-To-Zero (IRZ) Polarization-Division Multiplexed (PDM) Signals Apparatus And Method For Generating Interleaved
807712	807712-GB-EPT	EP2661827	12701196.3	EP2661827	GB	27-May-15	5-Jan-32	5-Jan-12	Return-To-Zero (IRZ) Polarization-Division Multiplexed (PDM) Signals
807712	807712-JP-PCT	JP5694565	2013548499		JP	13-Feb-15	5-Jan-32	5-Jan-12	Method And Apparatus For Efficient Generation Of Interleaved Return-To-Zero (IRZ) Polarization- Division Multiplexed (PDM) Signals
									Method And Apparatus For Efficient Generation Of Interleaved Return-To-Zero (IRZ) Polarization-
807712	807712-KR-PCT	KR101496935	20137020636		KR	23-Feb-15	5-Jan-32	5-Jan-12	Division Multiplexed (PDM) Signals Apparatus And Method For Generating Interleaved Return-To-Zero (IRZ) Polarization-Division
807712	807712-US-NP	US8842997	12/985835	20120177372	US	23-Sep-14	15-Jan-32	6-Jan-11	Multiplexed (PDM) Signals  Method Of Determining Access Times For Wireless
807721	807721-KR-PCT	KR101463407	20127032783		KR	13-Nov-14	13-Jun-31	13-Jun-11	Communication Devices  Method Of Determining Access Times For Wireless
807721	807721-EP-EPT		11726629.6	EP2583525	EP		13-Jun-31	13-Jun-11	Communication Devices
807734	807734-DE-EPA	EP2482481	11290038.6	EP2482481	DE	16-Jul-14	21-Jan-31	21-Jan-11	Method of optical data transmission
807734	807734-FR-EPA	EP2482481	11290038.6	EP2482481	FR	16-Jul-14	21-Jan-31	21-Jan-11	Method of optical data transmission
807734	807734-GB-EPA	EP2482481	11290038.6	EP2482481	GB	16-Jul-14	21-Jan-31	21-Jan-11	Method of optical data transmission
807791 807796	807791-US-NP 807796-US-NP	US9104410 US9363103	12/984060 13/531019	20120173889	US	11-Aug-15 7-Jun-16	19-Nov-33 10-Dec-34	4-Jan-11 22-Jun-12	Power Saving Hardware Energy-Management In A User-Premises Area Network
807823	807823-US-NP		13/042797	20110310789	US		21-Jun-30	8-Mar-11	Method Of Uplink Control Channel Allocation For A Relay Backhaul Link
807823	807823-EP-EPT		11728467.9	EP2583387	EP		15-Jun-31	15-Jun-11	Method Of Uplink Control Channel Allocation For A Relay Backhaul Link
807823	807823-KR-PCT	KR101419284	20127033417		KR	8-Jul-14	15-Jun-31	15-Jun-11	Method Of Uplink Control Channel Allocation For A Relay Backhaul Link
807842	807842-US-PCT	US9036513	13/702399	20130114617	US	19-May-15	21-Jun-31	21-Jun-11	Method For Communicating Between Customer Device And Server Device Method For Communicating Between Customer
807842	807842-EP-EPA		10290358.0	EP2403201	EP		30-Jun-30	30-Jun-10	Device and Server Device
807846	807846-EP-EPT		13717404.1	EP2842343	EP		9-Apr-33	9-Apr-13	Dynamic Interstitial Transitions
807877	807877-EP-EPT		11807821.1	EP2661789	EP		19-Dec-31	19-Dec-11	Conformal Antenna Array
807877	807877-US-NP	US8594735	12/984950	20120171972	US	26-Nov-13	2-Aug-31	5-Jan-11	Conformal Antenna Array
807927	807927-US-NP	US9137051	12/971698	20120158408	US	15-Sep-15	18-Jun-34	17-Dec-10	Method And Apparatus For Reducing Rendering Latency For Audio Streaming Applications Using Internet Protocol Communications Networks
807961	807961-EP-EPT		10838367.0	EP2647257	EP		30-Nov-30	30-Nov-10	FEMTOCELL BASE STATION
807965	807965-CN-PCT	ZL201180047572 .X	201180047572	103141061	CN	1-Apr-15	28-Sep-31	28-Sep-11	Enhanced TDM Agnostic Matrix
807965	807965-DE-EPA	EP2437442	10306069.5	EP2437442	DE	13-Feb-13	30-Sep-30	30-Sep-10	Device and method for switching data traffic in a digital transmission network  Device and method for switching data traffic in a
807965	807965-FR-EPA	EP2437442	10306069.5	EP2437442	FR	13-Feb-13	30-Sep-30	30-Sep-10	digital transmission network  Device and method for switching data traffic in a
807965	807965-GB-EPA	EP2437442	10306069.5	EP2437442	GB	13-Feb-13	30-Sep-30	30-Sep-10	digital transmission network Enhanced TDM Agnostic Matrix
807965 807965	807965-JP-PCT 807965-KR-PCT	JP5674951 KR10-1459356	JP2013530720 20137010909		JP KR	9-Jan-15 3-Nov-14	28-Sep-31 28-Sep-31	28-Sep-11 28-Sep-11	Enhanced TDM Agnostic Matrix
807965	807965-US-PCT	US9154446	13/819027	20130182716	US	6-Oct-15	31-Jul-32	28-Sep-11	Device And Method For Switching Data Traffic In A Digital Transmission Network
807966	807966-EP-EPA		11290053.5	EP2482575	EP		28-Jan-31	28-Jan-11	Authenticating and localizing a mobile user
		ZL201180040937							Peer-To-Peer Traffic Localization For Content In A
807967	807967-CN-PCT	.6	201180040937.6	CN103069781A	CN	9-Mar-16	28-Jul-31	28-Jul-11	Distributed Hash Table Peer-To-Peer Traffic Localization For Content In A
807967 807967	807967-EP-EPT 807967-JP-PCT	JP5611468	11743909.1 2013525924	EP2636205 2013543667	JP	12-Sep-14	28-Jul-31 28-Jul-31	28-Jul-11 28-Jul-11	Distributed Hash Table Peer-To-Peer Traffic Localization For Content In A Distributed Hash Table
807967	807967-KR-PCT	KR101474233	2013525924	2013343007	KR	12-sep-14 12-Dec-14	28-Jul-31 28-Jul-31	28-Jul-11 28-Jul-11	Peer-To-Peer Traffic Localization For Content In A Distributed Hash Table
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FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	HILE
807967	807967-US-NP	US9055082	12/868454	20120054322	US	9-Jun-15	24-Nov-31	25-Aug-10	Peer To Peer Localization For Content In A Distributed Hash Table
									Controlling Communications In A Multi-Carrier Wireless Communication System
807981	807981-BR-PCT		112012025715.3	112012025715.3	BR		16-Mar-31	16-Mar-11	The less communication system
									METHOD FOR CONTROLLING COMMUNICATIONS IN
807981	807981-CN-PCT	ZL201180017199 3	201180017199.3	102835181	CN	11-May-16	16-Mar-31	16-Mar-11	A MULTI-CARRIER WIRELESS COMMUNICATION SYSTEM AND THE ASSOCIATED NETWORK NODES
									Controlling Communications In A Multi-Carrier Wireless Communication System
807981	807981-DE-EPA	EP2375851	10360034.2	EP2375851	DE	28-Sep-16	9-Aug-30	9-Aug-10	Controlling Communications In A Multi-Carrier
807981	807981-FR-EPA	EP2375851	10360034.2	EP2375851	FR	28-Sep-16	9-Aug-30	9-Aug-10	Wireless Communication System
507301	BO/SBI-IN-ELA	E1 2373031	10300034.2	E12373031	T I I	20-3cp-10	3-Aug-30	J-Aug-10	Controlling Communications In A Multi-Carrier
807981	807981-GB-EPA	EP2375851	10360034.2	EP2375851	GB	28-Sep-16	9-Aug-30	9-Aug-10	Wireless Communication System
									Controlling Communications In A Multi-Carrier Wireless Communication System
807981	807981-IN-PCT		8406/CHENP/2012	8406/CHENP/2012	IN		16-Mar-31	16-Mar-11	Controlling Communications In A Multi-Carrier
807981	807981-JP-PCD	JP5766339	2014146189	2014212572	JP	26-Jun-15	16-Mar-31	16-Mar-11	Wireless Communication System
									Controlling Communications In A Multi-Carrier Wireless Communication System
807981	807981-JP-PCT	JP5583264	2013503023	2013524661	JP	25-Jul-14	16-Mar-31	16-Mar-11	
									Controlling Communications In A Multi-Carrier Wireless Communication System
807981	807981-KR-PCT	KR101409163	20127025932		KR	12-Jun-14	16-Mar-31	16-Mar-11	Controlling Communications In A Multi-Carrier
807981	807981-US-PCT		13/639242	20130121167	us		16-Mar-31	16-Mar-11	Wireless Communication System
808000	808000-EP-EPA		11290086.5	EP2487949	EP		14-Feb-31	14-Feb-11	Assisted Position Evaluation And Selection For Femto BS
808009	808009-DE-EPA	EP2621225	12153126.3	EP2621225	DE	24-Sep-14	30-Jan-32	30-Jan-12	Method For Performing Mobility Decision For A User Equipment
808009	808009-FR-EPA	EP2621225	12153126.3	EP2621225	FR	24-Sep-14		30-Jan-12	Method For Performing Mobility Decision For A User
							30-Jan-32		Equipment  Method For Performing Mobility Decision For A User
808009	808009-GB-EPA	EP2621225	12153126.3	EP2621225	GB	24-Sep-14	30-Jan-32	30-Jan-12	Equipment Securing Two-Party Computation Against Malicious
808034	808034-US-NP	US8488791	13/017449	20120070000	us	16-Jul-13	7-Apr-31	31-Jan-11	Adversaries
808077	808077-US-NP	US8472447	13/010382	20120033668	US	25-Jun-13	8-Aug-31	20-Jan-11	IP Multicast Snooping And Routing With Multi- Chassis Link Aggregation
									System And Method For Congestion Notification In An Ethernet OAM Network
808107	808107-US-NP	US9270564	13/609375	20140071831	US	23-Feb-16	8-Apr-34	11-Sep-12	Method And Apparatus For Transparently Modifying
808195	808195-EP-EPA	ZL201180040932	11305588.3	EP2525544	EP		16-May-31	16-May-11	A TCP Conversation  Method And Apparatus For Accommodating
808203	808203-CN-PCT	.3	201180040932.3	CN103141052A	CN	23-Mar-16	18-Aug-31	18-Aug-11	Overlapping Reference Signal Patterns
808203	808203-DE-EPT	EP2609709	11754572.3	EP2609709	DE	16-Nov-16	18-Aug-31	18-Aug-11	Method For Accommodating Overlapping Reference Signal Patterns
808203	808203-FR-EPT	EP2609709	11754572.3	EP2609709	FR	16-Nov-16	18-Aug-31	18-Aug-11	Method For Accommodating Overlapping Reference Signal Patterns
808203	808203-GB-EPT	EP2609709	11754572.3	EP2609709	GB	16-Nov-16	18-Aug-31	18-Aug-11	Method For Accommodating Overlapping Reference Signal Patterns
808203	808203-IN-PCT		1425/CHENP/2013	1425/CHENP/2013	IN		18-Aug-31	18-Aug-11	Method For Accommodating Overlapping Reference Signal Patterns
808203	808203-KR-PCT	KR101468527	20137007296		KR	27-Nov-14	18-Aug-31	18-Aug-11	Method For Accommodating Overlapping Reference Signal Patterns
808203	808203-US-NP	US8842620	13/205931	20120051404	US	23-Sep-14	8-Aug-32	9-Aug-11	Method For Accommodating Overlapping Reference Signal Patterns
		038842020				23*3cp*14			Voice Signature Solutions Architecture And Business
808234	808234-EP-EPT		11770932.9	EP2622600	EP		22-Sep-31	22-Sep-11	Model Voice Signature Solutions Architecture And Business
808234	808234-KR-PCT	KR101431401	20137007891		KR	11-Aug-14	22-Sep-31	22-Sep-11	Model Method And Apparatus For Voice Signature
808234 808261	808234-US-NP 808261-EP-EPT	US9118669	12/894198 11807817.9	20120084078 EP2661690	US EP	25-Aug-15	14-Jul-31 19-Dec-31	30-Sep-10 19-Dec-11	Authentication Seamless Scaling Of Enterprise Applications
		ZL201180061299							Dynamic evaluation of the per OMS per channel
808273	808273-CN-PCT	.6	201180061299.6	103262443	CN	16-Dec-15	18-Nov-31	18-Nov-11	premphasis power (OMS = Optical Multiplex Section)
									Dynamic evaluation of the per OMS per channel
808273	808273-DE-EPA	EP2466770	10306462.2	EP2466770	DE	29-May-13	20-Dec-30	20-Dec-10	premphasis power (OMS = Optical Multiplex Section)
808273	808273-FR-EPA	EP2466770	10306462.2	EP2466770	FR	29-May-13	20-Dec-30	20-Dec-10	Dynamic evaluation of the per OMS per channel premphasis power (OMS = Optical Multiplex Section)
									Dynamic evaluation of the per OMS per channel
808273	808273-GB-EPA	EP2466770	10306462.2	EP2466770	GB	29-May-13	20-Dec-30	20-Dec-10	premphasis power (OMS = Optical Multiplex Section)  Dynamic Evaluation Of The Optical Multiplex Section
808273	808273-US-PCT	US9002200	13/885562	20140147113	US	7-Apr-15	2-Mar-32	18-Nov-11	Per-Channel Pre-Emphasis Power
	000070 10 5	Incertain.	20425	2044555555				40.::	Dynamic evaluation of the per OMS per channel
808273	808273-JP-PCT	JP5575992 ZL201180048803	2013545136	2014505405	JP	11-Jul-14	18-Nov-31	18-Nov-11	premphasis power (OMS = Optical Multiplex Section) Setting Uplink Antenna Transmission Weights In Soft
808274	808274-CN-PCT	.9	201180048803.9	103155435	CN	3-Feb-16	8-Sep-31	8-Sep-11	Handover Setting Uplink Antenna Transmission Weights In Soft
808274	808274-DE-EPA	EP2439856	10360036.7	EP2439856	DE	15-Jan-14	8-Oct-30	8-Oct-10	Handover Setting Uplink Antenna Transmission Weights In Soft
808274	808274-FR-EPA	EP2439856	10360036.7	EP2439856	FR	15-Jan-14	8-Oct-30	8-Oct-10	Handover

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808274	808274-GB-EPA	EP2439856	10360036.7	EP2439856	GB	15-Jan-14	8-Oct-30	8-Oct-10	Setting Uplink Antenna Transmission Weights In Soft Handover
808274	808274-IN-PCT		2618/CHENP/2013	2618/CHENP/2013 A	IN		8-Sep-31	8-Sep-11	Setting Uplink Antenna Transmission Weights In Soft Handover
808274	808274-JP-PCT	JP5636504	2013532057	2013546225	JP	24-Oct-14	8-Sep-31	8-Sep-11	Setting Uplink Antenna Transmission Weights In Soft Handover
				2013340223					Setting Uplink Antenna Transmission Weights In Soft
808274 808274	808274-KR-PCT 808274-US-PCT	KR10-1463731 US9203479	20137011713 13/878360	20130272237	KR US	14-Nov-14 1-Dec-15	8-Sep-31 30-Mar-32	8-Sep-11 8-Sep-11	Handover Transmission Control
808427	808427-EP-EPA		11290074.1	EP2485564	EP		4-Feb-31	4-Feb-11	Multi-Operator Virtual Shared Femto Gateway For Small Cells
									Method, Controller Device And Computer Program For Measuring Energy Efficiency Of A Multi Blades
808428	808428-EP-EPA		11306100.6	EP2568384	EP		6-Sep-31	6-Sep-11	System
808510	808510-RU-PCT	RU2359316	2006103986	2006103986	RU	20-Jun-09	9-Jul-24	9-Jul-04	Procédé de gestion des composants logiciels intégrés dans un système embarqué
808510	808510-EP-EPT		04767651.5	EP1649363	EP		9-Jul-24	9-Jul-04	Procédé de gestion des composants logiciels intégrés dans un système embarqué
808510	808510-FR-NP	FR2857471	0403174	2857471	FR	26-Sep-08	26-Mar-24	26-Mar-04	Procédé de gestion des composants logiciels intégrés dans un système embarqué
808510	808510-IN-PCT		599/DELNP/2006	599/DELNP/2006	IN		9-Jul-24	9-Jul-04	Procédé de gestion des composants logiciels intégrés dans un système embarqué
808510	808510-JP-PCT	JP4724660	2006518306	2007527562	JP	15-Apr-11	9-Jul-24	9-Jul-04	Procédé de gestion des composants logiciels intégrés dans un système embarqué
									Procédé de gestion des composants logiciels intégrés
808510 808511	808510-US-PCT 808511-EP-EPT	US7757296	11/328725 07871796.4	20060161768 EP2087423	US EP	13-Jul-10	9-Jul-24 5-Dec-27	9-Jul-04 5-Dec-07	dans un système embarqué Chargement de Middleware
808512	808512-EP-EPT		08826615.0	EP2181388	EP		17-Jul-28	17-Jul-08	Gestion de ressources Method For Managing The Shared Resources Of A
									Computer System, A Module For Supervising The Implementation Of Same And A Computer System
808512 808513	808512-US-PCT 808513-EP-EPT	US8701116	12/669144 09721298.9	20110055840 EP2245590	US EP	15-Apr-14	3-May-30 30-Jan-29	17-Jul-08 30-Jan-09	Having One Such Module Image resizing
									Generating Semantic Structured Documents From
808528	808528-US-PCT		13/992875	20130326336	US		30-Nov-31	30-Nov-11	Text Documents A Home Network Physical Layer Configuration
808546	808546-KR-PCT	KR10-1525837	10-2013-7022877		KR	29-May-15	19-Jan-32	19-Jan-12	Platform And Method
808556 808556	808556-SG-PCT 808556-US-NP	SG193250 US8676009	201306572-7 13/112653	20120237153	SG US	23-Oct-14 18-Mar-14	23-Feb-32 1-Feb-32	23-Feb-12 20-May-11	Monolithic Photonic Integrated Circuit Monolithic Photonic Integrated Circuit
808556	808556-EP-EPT	038070003	12714419.4	EP2686721	EP	10-14161-14	23-Feb-32	23-Feb-12	Monolithic Photonic Integrated Circuit
808572	808572-KR-PCT	KR101483384	20137014109		KR	9-Jan-15	1-Dec-31	1-Dec-11	Content Collaboration Among Heterogeneous Distributed Mediums
									Système permettant d4optimiser la gestion des composants logiciels intégrés dans un système
808621	808621-FR-NP	FR2857476	0308489	2857476	FR	23-Sep-05	10-Jul-23	10-Jul-03	embarqué, notamment dans un Simplified RLC-PDCP Architecture With Pre-
808637	808637-DE-EPA	EP2477365	11360007.6	EP2477365	DE	11-Mar-15	13-Jan-31	13-Jan-11	Processing And Combined Buffer
808637	808637-FR-EPA	EP2477365	11360007.6	EP2477365	FR	11-Mar-15	13-Jan-31	13-Jan-11	Simplified RLC-PDCP Architecture With Pre- Processing And Combined Buffer
808637	808637-GB-EPA	EP2477365	11360007.6	EP2477365	GB	11-Mar-15	13-Jan-31	13-Jan-11	Simplified RLC-PDCP Architecture With Pre- Processing And Combined Buffer
808680	808680-US-NP	US9007993	13/289404	20120147826	US	14-Apr-15	13-Feb-33	4-Nov-11	Method For Inter-Base Station Signaling Radio Coverage In Mobile Telecommunications
808712	808712-EP-EPA		11290047.7	EP2485516	EP		27-Jan-31	27-Jan-11	Systems Method And Apparatus To Derive System Timing at a
808743	808743-KR-PCT	KR101506924	20137019175		KR	24-Mar-15	7-Dec-31	7-Dec-11	Wireless Base Station
808761	808761-EP-EPA		11305207.0	EP2493102	EP		25-Feb-31	25-Feb-11	Selection of physical parameters to characterize optical links
808764	808764-US-NP	US8843098 ZL201280008743	13/157379	20120314734	US	23-Sep-14	19-Apr-32	10-Jun-11	Reconstruction Filter With Built-In Balun Optical Transmission With Polarization Division
808770	808770-CN-PCT	.2	201280008743.2	CN103392309A	CN	6-Apr-16	16-Feb-32	16-Feb-12	Multiplexing Optical Transmission With Polarization Division
808770	808770-JP-PCT	JP5727631	2013554850	2014511607	JP	10-Apr-15	16-Feb-32	16-Feb-12	Multiplexing
808770	808770-KR-PCT	KR101542358	20137021851		KR	31-Jul-15	16-Feb-32	16-Feb-12	Optical Transmission With Polarization Division Multiplexing
808770	808770-US-PCT	US9077483	13/978635	20130322881	US	7-Jul-15	31-Mar-32	16-Feb-12	Optical Transmission With Polarization Division Multiplexing
808776 808777	808776-US-NP 808777-US-NP	US8559769 US8699834	13/014864 13/023173	20120195547 20120189310	US US	15-Oct-13 15-Apr-14	6-Apr-32 12-Jan-32	27-Jan-11 8-Feb-11	All-Optical Phase Shifter In Silicon Bandwidth Adjustable Bandpass Filter
		ZL201180047959							Detection of loss or malfunctions in electrical distribution networks
808788	808788-CN-PCT	.5	201180047959.5	CN103140740A	CN	6-Jan-16	2-Aug-31	2-Aug-11	Detection of loss or malfunctions in electrical
									distribution networks
808788	808788-JP-PCT	JP5607258	JP2013532085	2013545425	JP	5-Sep-14	2-Aug-31	2-Aug-11	Detection of loss or malfunctions in electrical
808788	808788-KR-PCT	KR101524386	20137008667		KR	22-May-15	2-Aug-31	2-Aug-11	distribution networks
									Detection of loss or malfunctions in electrical distribution networks
808788	808788-DE-EPA	EP2439497	11290266.3	EP2439497	DE	4-Mar-15	9-Jun-31	9-Jun-11	
									Detection of loss or malfunctions in electrical distribution networks
808788	808788-FR-EPA	EP2439497	11290266.3	EP2439497	FR	4-Mar-15	9-Jun-31	9-Jun-11	Detection of loss or malfunctions in electrical
808788	808788-GB-EPA	EP2439497	11290266.3	EP2439497	GB	4-Mar-15	9-Jun-31	9-Jun-11	distribution networks
808791	808791-US-NP	US9385292	13/293214	20130118543	US	5-Jul-16	12-Nov-34	10-Nov-11	Geothermally-Cooled Solar Thermoelectric Energy Harvester
808812	808812-US-NP	US9063963	12/984047	20120173689	US	23-Jun-15	9-Oct-31	4-Jan-11	Method and System for Migration of Managed
808857	808857-JP-PCT	JP5724031	2014501547	20120173689	JP	3-Apr-15	22-Mar-32	22-Mar-12	Devices  Method of decoding optical data signals
808857 808857	808857-KR-PCT 808857-US-PCT	KR10-1506139 US9106346	10-2013-7028522 14/000333	20140016947	KR US	20-Mar-15 11-Aug-15	22-Mar-32 21-May-32	22-Mar-12 22-Mar-12	Method of decoding optical data signals  Method Of Decoding Optical Data Signals
808857	808857-EP-EPA		11160751.1	EP2506516	EP	/ (ug-13	31-Mar-31	31-Mar-11	Method Of Decoding Optical Data Signals
									Method Of Registering A Location Of An Access
808863	808863-US-NP	US8725146	13/213679	20120184273	US	13-May-14	13-Jan-31	19-Aug-11	Terminal Within A FEMTO Network With A Macro Network, And Associated Apparatuses
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FAMILY	CASE REFERENCE	GRANT NUMBER	application Number	PUBLICATION NUMBER	COUNTRY		EXPURATION DATE	APPLICATION DATE	HILE
808870	808870-EP-EPT		11755307.3	EP2724506	EP		6-Sep-31	6-Sep-11	Notification of too many "No answer" of Forwarded to Number
808878	808878-EP-EPA		11305045.4	EP2477434	EP		17-Jan-31	17-Jan-11	Method Of Selection Of Neighbour Cells And Mobile Station To Carry Out The Method
808886	808886-US-NP	US8897649	13/238737	20130071113	US	25-Nov-14	15-Feb-33	21-Sep-11	Optical Transport System Two-Carrier Signals
808895	808895-DE-EPA	EP2541815	11171771.6	EP2541815	DE	18-Dec-13	28-Jun-31	28-Jun-11	(Telecom-profile-compatible) Redundant Distributed/Network Boundary Clock (RNBC): system and implementation
									(Telecom-profile-compatible) Redundant Distributed/Network Boundary Clock (RNBC): system
808895	808895-FR-EPA	EP2541815	11171771.6	EP2541815	FR	18-Dec-13	28-Jun-31	28-Jun-11	and implementation (Telecom-profile-compatible) Redundant
808895	808895-GB-EPA	EP2541815	11171771.6	EP2541815	GB	18-Dec-13	28-Jun-31	28-Jun-11	Distributed/Network Boundary Clock (RNBC): system and implementation
808914	808914-IN-NP		1738/DEL/2013	1738/DEL/2013	IN		11-Jun-33	11-Jun-13	Establishing Device To Device Communication Channel Method And Apparatus For Energy Efficient
808917	808917-EP-EPT		12795692.8	EP2795468	EP		19-Nov-32	19-Nov-12	Distributed And Elastic Load Balancing  Method And Apparatus For Energy Efficient
808917	808917-JP-PCT	JP5978313	2014549058	2015503781	JP	29-Jul-16	19-Nov-32	19-Nov-12	Distributed And Elastic Load Balancing Method And Apparatus For Energy Efficient
808917	808917-US-NP	US9223630	13/334141	20130166943	US	29-Dec-15	23-Jun-33	22-Dec-11	Distributed And Elastic Load Balancing
808922	808922-EP-EPA		11305716.0	EP2533582	EP		9-Jun-31	9-Jun-11	A method for transmission of reference signals, a base station and a user terminal therefor
000000	access in per	IDE TERROR T	2014 542000	2044545224		42.145	25.1422	35.4443	A method for transmission of reference signals, a
808922	808922-JP-PCT	JP5759067	2014-513988	2014516231	JP	12-Jun-15	25-May-32	25-May-12	base station and a user terminal therefor  A method for transmission of reference signals, a
808922	808922-TW-NP	TWI472184	101117559		TW	1-Feb-15	17-May-32	17-May-12	base station and a user terminal therefor
									Method And Apparatus For Providing Application With Interface To Composite Network Service
808965	808965-US-NP	US8589956	13/077630	201202548 <del>99</del>	US	19-Nov-13	14-May-32	31-Mar-11	A Method and a Tool for End-user Query
809060	809060-EP-EPA		12175263.8	EP2570940	EP		6-Jul-32	6-Jul-12	Reformulation Through Progressif Results Filtering and Semantic Analysis
									A Method and a Tool for End-user Query Reformulation Through Progressif Results Filtering
809060	809060-FR-NP		1158289	2980290	FR		19-Sep-31	19-Sep-11	and Semantic Analysis Method For Heat Dissipation In Active Antenna
809071	809071-EP-EPA		11290332.3	EP2549589	EP CN		20-Jul-31	20-Jul-11	Arrays
809109 809109	809109-CN-PCT 809109-IN-NP		201280027934.3 1611/DEL/2011	CN103597903A 1611/DEL/2011	CN IN		2-May-32 7-Jun-31	2-May-12 7-Jun-11	Wireless Data Card Wireless Data Card
809109	809109-EP-EPT		12718982.7	EP2719246	EP		2-May-32	2-May-12	Wireless Data Card
809132	809132-EP-EPA		11382180.5	EP2530944	EP		31-May-31	31-May-11	Credit server for massive impulsive purchase of multimedia assets
809133	809133-US-NP	US8620383	13/253120	20130090124	US	31-Dec-13	5-Oct-31	5-Oct-11	Dynamic Resource Sharing Among Cellular Networks
									Dynamic Resource Sharing Among Cellular Networks
809133[1] 809158	809133[1]-US-DIV 809158-US-CIP	US9473287 US9008515	14/065790 13/018109	20140056254 20120087655	US US	18-Oct-16 14-Apr-15	14-Jul-32 17-Feb-32	29-Oct-13 31-Jan-11	Direct Lazer Modulation
005130	005150 05 01	03300313	13/010103	20120007033	0.5	11740115	17 100 52	3734117	Interface Between Restful Web Services And Packet-
809186	809186-CN-PCT		201280029395.7	CN103636243A	CN		23-May-32	23-May-12	Switched Networks Networks For Text Messaging
809186	809186-IN-PCT		10170/DELNP/2013	10170/DELNP/201 3	IN		23-May-32	23-May-12	Interface Between Restful Web Services And Packet- Switched Networks Networks For Text Messaging
809186	809186-JP-PCT	JP5753316	2014515836	2014523151	JP	29-May-15	23-May-32	23-May-12	Interface Between Restful Web Services And Packet- Switched Networks Networks For Text Messaging
									Interface Between Restful Web Services And Packet-
809186	809186-KR-PCT	KR101567292	20137033211	20140015539	KR	3-Nov-15	23-May-32	23-May-12	Switched Networks Networks For Text Messaging Interface Between Restful Web Services And Packet-
809186	809186-US-NP	US8923899	13/160658	20120322468	US	30-Dec-14	21-Dec-31	15-Jun-11	Switched Networks For Text Messaging
809186	809186-EP-EPT		12726287.1	EP2721847	EP		23-May-32	23-May-12	Interface Between Restful Web Services And Packet- Switched Networks Networks For Text Messaging Method And Apparatus For Managing Components
809193	809193-US-NP	US8776011	13/077718	20120254825	US	8-Jul-14	28-Oct-32	31-Mar-11	Of Application Enablement Suite Blocking Subtitle/super-imposed images in Multi-
809246	809246-EP-EPA		11306092.5	EP2566179	EP		2-Sep-31	2-Sep-11	screen
809271	809271-CN-PCT		201280018131.1	CN103548277A	CN		10-Apr-32	10-Apr-12	Method And Apparatus For Determining Uplink Noise Power In A Wireless Communication System
809271	809271-IN-PCT		7718/CHENP/2013	7718/CHENP/2013	IN		10-Apr-32	10-Apr-12	Method And Apparatus For Determining Uplink Noise Power In A Wireless Communication System
809271	809271-JP-PCT	JP6008942	2014505206	2014515232	JP	23-Sep-16	10-Apr-32	10-Apr-12	Method And Apparatus For Determining Uplink Noise Power In A Wireless Communication System
809271	809271-US-NP	US9209858	13/084901	20120263046	US	8-Dec-15	1-Aug-31	12-Apr-11	Method And Apparatus For Determining Uplink Noise Power In A Wireless Communication System
809271	809271-EP-EPT		12715528.1	EP2697907	EP		10-Apr-32	10-Apr-12	Method And Apparatus For Determining Uplink Noise Power In A Wireless Communication System
									Telecommunication Sandwich Card Arrangement
809279 809285	809279-EP-EPA 809285-US-NP	US9154452	11306151.9	EP2571284 20130259063	EP US	6-Oct-15	15-Sep-31 22-Mar-34	15-Sep-11 29-Mar-12	With Common Optical Module At The Front side  Methods And Apparatuses For Adapting Buffer Capacity At Routers
003283	005200*05*14I	535134432	23/434000	20130233003	- 55	0-0011	4C*IDIVI-34	2.5-1VId1*12	Method Of Scheduling And Admission Control For Guaranteed Bit Rate And/Or Maximum Bit Rate
809311	809311-JP-PCT	JP5852227	2014505209	2014517562	JP	11-Dec-15	10-Apr-32	10-Apr-12	Services

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	CASE REFERENCE	GRANT NUMBER	APPLICATEON NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION BATE	APPLICATION DATE	TITLE  Method Of Scheduling And Admission Control For
809311	809311-KR-PCT	KR101539214	20137030152		KR	20-Jul-15	10-Apr-32	10-Apr-12	Guaranteed Bit Rate And/Or Maximum Bit Rate Services
				20120252120					Method Of Scheduling And Admission Control For Guaranteed Bit Rate And/Or Maximum Bit Rate
809311	809311-US-NP	US8467330	13/086796	20120263120	US	18-Jun-13	8-Dec-31	14-Apr-11	Services Method For Managing A User Profile Within A Social
809333	809333-EP-EPA	US9125024	11183731.6	EP2579201 20130051299	EP US	1.5 15	3-Oct-31	3-Oct-11	Network Broadcasting Availability Of Free Internet Access At
809347 809364	809347-US-NP 809364-US-NP	US8819638	13/218119 13/237223	20130031299	US	1-Sep-15 26-Aug-14	3-Dec-32 20-Aug-32	25-Aug-11 20-Sep-11	Wireless Access Points Application Prototyping Suite
809366	809366-US-NP	US9188741	13/174029	20120230690	US	17-Nov-15	8-Jan-34	30-Jun-11	Adjustable Multiple-Channel Optical Switch
809375	809375-IN-PCT		7515/CHENP/2013	7515/CHENP/2013	IN		12-Mar-32	12-Mar-12	Printed Circuit Board and Diplexer Circuit
809375	809375-JP-PCT	JP5726366	2014-500319	2014512116	JP	10-Apr-15	12-Mar-32	12-Mar-12	Printed Circuit Board and Diplexer Circuit
809375	809375-KR-PCT 809375-US-PCT	KR101508916	10-2013-7024876	20140022958	KR	31-Mar-15	12-Mar-32	12-Mar-12	Printed Circuit Board and Diplexer Circuit
809375		US9270322	14/006997		US	23-Feb-16	3-Oct-32	12-Mar-12	Printed Circuit Board and Diplexer Circuit  Visualization of an optical signal through linear
809408	809408-CN-PCT	ED2005145	201380048024.8	CN104641580A	CN	27 1	12-Sep-33	12-Sep-13	optical sampling Visualization of an optical signal through linear
809408	809408-DE-EPT	EP2896145	13763215.4	EP2896145	DE	27-Jul-16	12-Sep-33	12-Sep-13	optical sampling Visualization of an optical signal through linear
809408	809408-FR-EPT	EP2896145	13763215.4	EP2896145	FR	27-Jul-16	12-Sep-33	12-Sep-13	optical sampling Visualization of an optical signal through linear
809408	809408-GB-EPT	EP2896145	13763215.4	EP2896145	GB	27-Jul-16	12-Sep-33	12-Sep-13	optical sampling Optimal Multi-Factor Evaluation In Computing
809432	809432-US-NP	US8498957	13/116263	20120303571	US	30-Jul-13	18-Jan-32	26-May-11	Systems Method For Relaying Data In A Communication
809466	809466-US-NP	US8838020	13/222234	20130052942	US	16-Sep-14	19-Oct-32	31-Aug-11	Network
809467	809467-US-NP		13/296482	20130121422	US		15-Nov-31	15-Nov-11	Method And Apparatus For Encoding/Decoding Data For Motion Detection In A Communication System
809494	809494-JP-PCT	JP5805295	2014501591	2014515212	JP	11-Sep-15	28-Mar-32	28-Mar-12	TRANSMISSION METHOD AND MOBILE STATION TO CARRY OUT THE METHOD
809500	809500-DE-EPA	EP2544374	11305884.6	EP2544374	DE	5-Mar-14	8-Jul-31	8-Jul-11	Slow Memory compensation in a non linear sigma delta modulator
809500	809500-FR-EPA	EP2544374	11305884.6	EP2544374	FR	5-Mar-14	8-Jul-31	8-Jul-11	Slow Memory compensation in a non linear sigma delta modulator
809500	809500-GB-EPA	EP2544374	11305884.6	EP2544374	GB	5-Mar-14	8-Jul-31	8-Jul-11	Slow Memory compensation in a non linear sigma delta modulator
809520	809520-EP-EPA	EP2344374	11360015.9	EP2544374 EP2519060	EP	3-War-14	28-Apr-31	28-Apr-11	Power Saving
809522	809522-US-NP	US9357482	13/181608	20130017854	US	31-May-16	25-Apr-32	13-Jul-11	Method And System For Dynamic Power Control For Base Stations
809528	809528-US-NP	US8792355	13/228808	20130064107	US	29-Jul-14	13-May-32	9-Sep-11	Adjustment Of Radio Resource Control State Timers In A Radio Access Network
809538	809538-EP-EPA		11306525.4	EP2595078	EP		21-Nov-31	21-Nov-11	Method And Apparatus For Managing DRM Information In A Network
809541	809541-CN-PCT	ZL201380016895 .1	201380016895.1	CN104221336A	CN	12-Apr-17	15-Mar-33	15-Mar-13	System And Method For Virtual Fabric Link Failure Recovery
809541	809541-EP-EPT		13713656.0	EP2832059	EP		15-Mar-33	15-Mar-13	System And Method For Virtual Fabric Link Failure Recovery
809541	809541-JP-PCT	JP5873597	2015503323	2015515809	JP	22-Jan-16	15-Mar-33	15-Mar-13	System And Method For Virtual Fabric Link Failure Recovery
809541	809541-KR-PCT	KR1563102	20147026822	20140127904	KR	19-Oct-15	15-Mar-33	15-Mar-13	System And Method For Virtual Fabric Link Failure Recovery
809541	809541-US-CIP	US8913489	13/431116	20120182866	US	16-Dec-14	15-Jan-33	27-Mar-12	System And Method For Virtual Fabric Link Failure Recovery
809544	809544-IN-PCT		7588/CHENP/2013	7588/CHENP/2013 A	IN		8-May-32	8-May-12	A Mobility Concept
809556	809556-DE-EPA	EP2579528	11290438.8	EP2579528	DE	21-May-14	26-Sep-31	26-Sep-11	A System And Method For Service Initiation Control Ir An Access Network
809556	809556-FR-EPA	EP2579528	11290438.8	EP2579528	FR	21-May-14	26-Sep-31	26-Sep-11	A System And Method For Service Initiation Control Ir An Access Network
809556	809556-GB-EPA	EP2579528	11290438.8	EP2579528	GB	21-May-14	26-Sep-31	26-Sep-11	A System And Method For Service Initiation Control Ir An Access Network
809567	809567-US-NP	US8953450	13/495046	20130336115	US	10-Feb-15	28-Jun-32	13-Jun-12	Method And System For Ingress Multicast Load Balancing
803307	809307-03-INF	038333430	13/453046	20130330113	03	10-160-13	28-Juli-32	13-3011-12	Method For Transmitting Data In A Communication
809592	809592-EP-EPA		11305871.3	EP2544420	EP		7-Jul-31	7-Jul-11	System, First Network Node And Second Network Node Thereof
809617	809617-US-NP	US8892109	13/461979	20130295946	US	18-Nov-14	30-May-32	2-May-12	Method And Apparatus Of Dynamic Spectrum Sharing In Cellular Networks
809617[1]	809617[1]-US-DIV		14/517289	20150057009	US		2-May-32	17-Oct-14	Method And Apparatus Of Dynamic Spectrum Sharing In Cellular Networks
809622	809622-DE-EPA	EP2542005	11305837.4	EP2542005	DE	30-Oct-13	30-Jun-31	30-Jun-11	Modified UL Grant Timing In HetNets Using ABS
809622	809622-FR-EPA	EP2542005	11305837.4	EP2542005	FR	30-Oct-13	30-Jun-31	30-Jun-11	Modified UL Grant Timing In HetNets Using ABS
809622	809622-GB-EPA	EP2542005	11305837.4	EP2542005	GB	30-Oct-13	30-Jun-31	30-Jun-11	Modified UL Grant Timing In HetNets Using ABS
809623	809623-EP-EPA		11306058.6	EP2563083	EP		22-Aug-31	22-Aug-11	Apparatus and Method for Scheduling a Mobile Terminal Apparatus and Method for Scheduling a Mobile
809623	809623-TW-NP	TWI472256	101126477		TW	1-Feb-15	23-Jul-32	23-Jul-12	Terminal
809626	809626-CN-PCT		201280049810.5	103875228	CN		21-Sep-32	21-Sep-12	Emission Reporting And Monitoring
809626	809626-EP-EPT		12766052.0	EP2767069	EP		21-Sep-32	21-Sep-12	Emission Reporting And Monitoring
809626	809626-IN-NP		2915/DEL/2011	2915/DEL/2011	IN		10-Oct-31	10-Oct-11	Emission Reporting And Monitoring A process to predict type of search when looking for
809628	809628-EP-EPA	1100000122	11305534.7	EP2521047	EP	20 10 : 14	6-May-31	6-May-11	connected objects
	809653-US-DIV	US8639123	13/108048	20110211828	US	28-Jan-14	1-Apr-27	16-May-11	Flexible Dispersion Mapping Energy Saving Through Dynamic Forecasted Traffic Demand in Macrocal Based Nationals
809687	809687-DE-EPA	EP2530979	11290253.1	EP2530979	DE	22-Oct-14	3-Jun-31	3-Jun-11	Demand In Macrocell Based Network  Energy Saving Through Dynamic Forecasted Traffic
809687	809687-FR-EPA	EP2530979	11290253.1	EP2530979	FR	22-Oct-14	3-Jun-31	3-Jun-11	Demand In Macrocell Based Network  Energy Saving Through Dynamic Forecasted Traffic
809687	809687-GB-EPA	EP2530979	11290253.1	EP2530979	GB	22-Oct-14	3-Jun-31	3-Jun-11	Demand In Macrocell Based Network

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	application Number	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	nne
000502	access in per	105033640	2014511217	2014 525050	10	6 Nov. 15	47.14 24	17.1411	Electronic Transactions with Mobile Communications Devices via Encoded Acoustic Signals
809692	809692-JP-PCT	JP5832640	2014511317	2014-525060	JP	6-Nov-15	17-May-31	17-May-11	
809692	809692-KR-PCT	KR10-1541637	2013-7033378		KR	28-Jul-15	17-May-31	17-May-11	Electronic Transactions with Mobile Communications Devices via Encoded Acoustic Signals
									Electronic Transactions with Mobile Communications
809692	809692-US-PCT		14/113251	20150012421	US		17-May-31	17-May-11	Devices via Encoded Acoustic Signals
									Electronic Transactions with Mobile Communications Devices via Encoded Acoustic Signals
809692	809692-EP-EPT		11793518.9	EP2710750	EP		17-May-31	17-May-11	·
809699	809699-US-NP	US8824501	13/245160	20130070785	US	2-Sep-14	20-Apr-32	26-Sep-11	Performance Enhancement Through Optical Variants ADOBE - Automatic Diagnosis Based On Optimization
809708	809708-EP-EPA		11305896.0	EP2544401	EP		8-Jul-31	8-Jul-11	Of Bayesian Networks Board-Level Heat Transfer Apparatus For
809713	809713-US-NP	US8913391	13/360997	20130194755	US	16-Dec-14	29-Aug-32	30-Jan-12	Communication Platforms A Board-Level Heat Transfer Apparatus For
809713	809713-EP-EPT		13744369.3	EP2810544	EP		28-Jan-33	28-Jan-13	Communication Platforms
809715	809715-EP-EPA		11290573.2	EP2605345	EP		13-Dec-31	13-Dec-11	Thermal Management Of Photonics Assemblies
809715	809715-US-NP	US9113576	13/690450	20130146253	US	18-Aug-15	24-Oct-33	30-Nov-12	Thermal Management Of Photonics Assemblies Support Of IP Connections Over Trusted Non-3GPP
809730	809730-CN-PCT		201280041233.5	103748926	CN		20-Jun-32	20-Jun-12	Access Support Of IP Connections Over Trusted Non-3GPP
809730	809730-JP-PCT		2014516323	2014525163	JP		20-Jun-32	20-Jun-12	Access Support Of Ip Connections Over Trusted Non-3gpp
809730	809730-EP-EPA		11305789.7	EP2538721	EP		22-Jun-31	22-Jun-11	Access
809750	809750-US-NP	US8995834	13/335326	20130163988	US	31-Mar-15	26-Jun-32	22-Dec-11	Blind Equalization For Polarization-Switched QPSK Optical Communications
									A Method For Setting-Up A Telephone Call, A Corresponding Telephone Server And Telephone
	809780-EP-EPA		11290449.5	EP2575337	EP		29-Sep-31	29-Sep-11	Terminal
809784	809784-DE-EPA	EP2568598	11290396.8	EP2568598	DE	26-Feb-14	6-Sep-31	6-Sep-11	Doherty Amplifier With Adaptive Input Divider
	809784-DE-EPD	EP2579457	12008281.3	EP2579457	DE	12-Nov-14	6-Sep-31	6-Sep-11	Doherty Amplifier With Adaptive Input Divider
809784	809784-FR-EPA	EP2568598	11290396.8	EP2568598	FR	26-Feb-14	6-Sep-31	6-Sep-11	Doherty Amplifier With Adaptive Input Divider
	809784-FR-EPD	EP2579457	12008281.3	EP2579457	FR	12-Nov-14	6-Sep-31	6-Sep-11	Doherty Amplifier With Adaptive Input Divider
809784	809784-GB-EPA	EP2568598	11290396.8	EP2568598	GB	26-Feb-14	6-Sep-31	6-Sep-11	Doherty Amplifier With Adaptive Input Divider
809784	809784-GB-EPD	EP2579457	12008281.3	EP2579457	GB	12-Nov-14	6-Sep-31	6-Sep-11	Doherty Amplifier With Adaptive Input Divider Method And Apparatus For Data Transmission With
809807	809807-US-NP	US9301313	13/159158	20120314735	US	29-Mar-16	28-Aug-33	13-Jun-11	User Selection
809847	809847-US-NP	US8849130	13/537467	20130071124	US	30-Sep-14	3-Apr-33	29-Jun-12	Coherent Optical Receivers For Colorless Reception  Method Of Transmitting Real Time Traffic With
809849	809849-US-NP	US9237482	13/731710	20140185438	US	12-Jan-16	19-May-33	31-Dec-12	Reduced Header In Wireless Network
809872	809872-EP-EPT		12762139.9	EP2761799	EP		7-Sep-32	7-Sep-12	Transmitter And Method For Optical Transmission  Determining Validity Of SIP Messages Without
809882	809882-DE-EPT	EP2749001	12753337.0	EP2749001	DE	13-Jan-16	21-Aug-32	21-Aug-12	Parsing Determining Validity Of SIP Messages Without
809882	809882-FR-EPT	EP2749001	12753337.0	EP2749001	FR	13-Jan-16	21-Aug-32	21-Aug-12	Parsing Determining Validity Of SIP Messages Without
809882	809882-GB-EPT	EP2749001	12753337.0	EP2749001	GB	13-Jan-16	21-Aug-32	21-Aug-12	Parsing Extending Content Delivery Networks To End User
809923	809923-IN-NP		2245/DEL/2012	2245/DEL/2012	IN		19-Jul-32	19-Jul-12	Devices
809927	809927-US-NP	US8699359	13/250158	20130083671	US	15-Apr-14	3-Apr-32	30-Sep-11	Data Plane Delay KPI Monitoring In Live Network Optical PDM-QAM burst mode system with OFDM
809981	809981-DE-EPA	EP2568636	11290398.4	EP2568636	DE	13-Nov-13	6-Sep-31	6-Sep-11	synchronisation symbols  Optical PDM-QAM burst mode system with OFDM
809981	809981-FR-EPA	EP2568636	11290398.4	EP2568636	FR	13-Nov-13	6-Sep-31	6-Sep-11	synchronisation symbols  Optical PDM-QAM burst mode system with OFDM
809981	809981-GB-EPA	EP2568636	11290398.4	EP2568636	GB	13-Nov-13	6-Sep-31	6-Sep-11	synchronisation symbols
809997	809997-CN-PCT		2013800163708	CN104205693A	CN		25-Mar-33	25-Mar-13	Method Of Optical Data Transmission Using Mode Division Multiplexing
809997	809997-JP-PCT	JP5941593	2015502263	2015516738	JP	27-May-16	25-Mar-33	25-Mar-13	Method Of Optical Data Transmission Using Mode Division Multiplexing
809997	809997-KR-PCT	KR101585854	1020147026702	20140131975	KR	11-Jan-16	25-Mar-33	25-Mar-13	Method Of Optical Data Transmission Using Mode Division Multiplexing
809997	809997-US-PCT	US9225461	14/382964	20150043910	US	29-Dec-15	25-Mar-33	25-Mar-13	Method Of Optical Data Transmission Using Mode Division Multiplexing
810053	810053-CN-PCT		201280052908.6	CN103947176A	CN		22-Oct-32	22-Oct-12	Network-Assisted Peer-To-Peer Secure Communication Establishment
	810098-EP-EPT		12769461.0	EP2740232	EP		13-Jul-32	13-Jul-12	Method And System For Reducing Mac-Is Reset Ambiguity For Common E-DCH Transmissions
	810098-JP-PCT	JP5864746	2014523411	2014528188	JP	8-Jan-16	13-Jul-32	13-Jul-12	Method And System For Reducing Mac-Is Reset Ambiguity For Common E-DCH Transmissions
	810098-KR-PCT	KR101637788	20147002689	20140031387	KR	1-Jul-16	13-Jul-32	13-Jul-12	Method And System For Reducing Mac-Is Reset Ambiguity For Common E-DCH Transmissions
	810098-US-NP	US8954084	13/195118	20130035102	US	10-Feb-15	24-Jan-33	1-Aug-11	Method And System For Reducing Mac-Is Reset Ambiguity For Common E-DCH Transmissions
					EP				Dynamic Top-k Recommender System For Content
810112	810112-EP-EPA	I .	11290532.8	EP2595066	L EP	l	21-Nov-31	21-Nov-11	Delivery Systems

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

	CASE	GRANT	APPLICATION	PUBLICATION	1	ISSUE		APPLICATION	
FAMILY	REFERENCE	NUMBER	NUMBER	NUMBER	COUNTRY	DATE	DATE	DATE	TEFLE Sharing Up-Link Resources In Universal Mobile
810122	810122-EP-EPT		12737742.2	EP2742758	EP		4-Jul-32	4-Jul-12	Telecommunications System
810122	810122-IN-NP		2304/DEL/2011	2304/DEL/2011	IN		12-Aug-31	12-Aug-11	Sharing Up-Link Resources In Universal Mobile Telecommunications System
010122	OTOTEL WE'RE		255 17 5227 2511	25017 0227 2011			12709 51	12 700 11	Sharing Up-Link Resources In Universal Mobile Telecommunications System
810122	810122-JP-PCT	JP5782190	2014524311	2014527747	JP	24-Jul-15	4-Jul-32	4-Jul-12	, i
									METHOD FOR GESTURE CONTROL, GESTURE SERVER DEVICE AND
810129	810129-JP-PCT	JP5826408	2014-545170	2015500528	JP	23-Oct-15	26-Nov-32	26-Nov-12	SENSOR INPUT DEVICE  Method And Apparatus For Flexible Inter-Frequency
810137 810164	810137-EP-EPA 810164-DE-EPA	EP2575401	11306026.3 11360044.9	EP2557841 EP2575401	EP DE	24-Sep-14	9-Aug-31 30-Sep-31	9-Aug-11 30-Sep-11	Or Inter-System Measurements Transmit Power Control
810164 810164	810164-FR-EPA	EP2575401 EP2575401	11360044.9 11360044.9	EP2575401 EP2575401	FR GB	24-Sep-14	30-Sep-31	30-Sep-11 30-Sep-11	Transmit Power Control
810164	810164-GB-EPA	EP2373401	11300044.9	EP23/3401	GB	24-Sep-14	30-Sep-31	30-3ep-11	Transmit Power Control
810191	810191-EP-EPA		11306029.7	EP2557852	EP		10-Aug-31	10-Aug-11	Method, Apparatus And Computer Program For Selecting Calls And For A Mobile Transceiver
810218	810218-US-NP	US8797639	13/330418	20130155491	US	5-Aug-14	28-Jan-33	19-Dec-11	Method And System For Regenerating And Reshaping Of Optical Signals
810259	810259-US-NP	US8787708	13/210299	20130044974	US	22-Jul-14	8-Mar-32	15-Aug-11	Endless Phase Shifting Methods And Apparatus For Providing Transfer Of A
810263	910363 ED EDA		12305589.9	EP2669943	EP		29 May 22	28-May-12	Heat Load Between A Heat Source And A Heat Receiver
	810263-EP-EPA						28-May-32		Creation Of Statistical Dynamic Flows Using Data And
810267	810267-EP-EPT		12743586.5	EP2742476	EP		17-Jul-32	17-Jul-12	Content Aggregation Creation Of Statistical Dynamic Flows Using Data And
810267	810267-JP-PCT	JP5925317	2014525026	2014527668	JP	28-Apr-16	17-Jul-32	17-Jul-12	Content Aggregation Creation Of Statistical Dynamic Flows Using Data And
810267	810267-KR-PCT	KR101612640	20147003232	20140043937	KR	7-Apr-16	17-Jul-32	17-Jul-12	Content Aggregation System And Method For Identifying A Path Of A
									Billboard Audience Group And Providing Advertising
810267	810267-US-NP		13/538155	20130041753	US		29-Jun-32	29-Jun-12	Content Based On The Path
									Efficient Propagation Of Link State Advertisements In Densely Interconnected OSPF Networks
810295	810295-US-NP	US8614952	13/296934	20130121156	US	24-Dec-13	19-Jun-32	15-Nov-11	,
810302	810302-CN-PCT		2012800469189	103827869	CN		21-Aug-32	21-Aug-12	User-Enhanced Ranking Of Information Objects
									Interaction method with the graph in the search
810302	810302-EP-EPA		11182967.7	EP2575053	EP		27-Sep-31	27-Sep-11	results navigation with graph visualization
810302	810302-IN-PCT		2180/DELNP/2014	2180/DELNP/2014	IN		21-Aug-32	21-Aug-12	User-Enhanced Ranking Of Information Objects
810302	810302-JP-PCT	JP5926386	2014532293	2014531678	JP	28-Apr-16	21-Aug-32	21-Aug-12	User-Enhanced Ranking Of Information Objects
810302	810302-KR-PCT	KR101584981	20147010051	20140069164	KR	7-Jan-16	21-Aug-32	21-Aug-12	User-Enhanced Ranking Of Information Objects
810302	810302-US-PCT		14/345566	20140344241	us		21-Aug-32	21-Aug-12	User-Enhanced Ranking Of Information Objects
810320	810320-US-NP	US9007901	13/369551	20130208593	US	14-Apr-15	16-Jun-32	9-Feb-12	Method And Apparatus Providing Flow Control Using On-Off Signals In High Delay Networks
									System And Method For Managing Data Transfer
									From A Data Center Including Bandwidth Limits And A Flex Parameter Indicating Bandwidth Variation
810359	810359-US-NP	US9055086	13/338636	20130174172	US	9-Jun-15	28-Jan-33	28-Dec-11	Between Data Transfer Periods
810372	810372-EP-EPA		12360029.8	EP2648441	EP		5-Apr-32	5-Apr-12	Probing Techniques  PRISE EN COMPTE DE LA CONFIANCE STATISTIQUE
810378	810378-EP-EPA		11306340.8	EP2584475	EP		17-Oct-31	17-Oct-11	POUR L'EVALUATION DE L'IMPORTANCE D'UNE PAGE WEB
									PRISE EN COMPTE DE LA DIVERSITE DU CHEMIN
									POUR LA DETERMINATION DE L'IMPORTANCE D'UNE
810379	810379-EP-EPA		11306341.6	EP2584476	EP		17-Oct-31	17-Oct-11	UNITE D'INFORMATION DANS UN PARCOURS ALEATOIRE AU SEIN D'UN RESEAU D'INFORMATION
810382	810382-CN-PCT		2013800171598	CN104221324A	CN		25-Mar-33	25-Mar-13	Home Network Identification Method and Device
810382	810382-IN-PCT		6595/CHENP/2014	6595/CHENP/2014	IN		25-Mar-33	25-Mar-13	Home Network Identification Method and Device
810382	810382-KR-PCT	KR10-1529020	10-2014-7026922		KR	9-Jun-15	25-Mar-33	25-Mar-13	Home Network Identification Method and Device
810382	810382-US-PCT		14/384874	20150063162A1	US		25-Mar-33	25-Mar-13	
810415	810415-EP-EPA		11185308.1	EP2581838	EP		14-Oct-31	14-Oct-11	Home Network Identification Method And Device Method For Ranking Messages
810415 810419	810415-US-PCT 810419-EP-EPA		14/351630 12196804.4	20140358947 EP2604396	US EP		7-Sep-32 12-Dec-32	7-Sep-12 12-Dec-12	Method For Ranking Messages A Remote Intervention System
									Apparatus, Method And Computer Program For A
810565	810565-DE-EPA	EP2575266	11306266.5	EP2575266	DE	4-Dec-13	30-Sep-31	30-Sep-11	Mobile Transceiver And A Base Station Transceiver
									Apparatus, Method And Computer Program For A
810565	810565-FR-EPA	EP2575266	11306266.5	EP2575266	FR	4-Dec-13	30-Sep-31	30-Sep-11	Mobile Transceiver And A Base Station Transceiver
810565	810565-GB-EPA	EP2575266	11306266.5	EP2575266	GB	4-Dec-13	30-Sep-31	30-Sep-11	Apparatus, Method And Computer Program For A Mobile Transceiver And A Base Station Transceiver
									Method For Paging User Equipment In A Wireless
									Communication Network, Corresponding User
810604	810604-EP-EPA		11306258.2	EP2575402	EP		30-Sep-31	30-Sep-11	Equipment And Network Node
									Method for transmitting a voice mail message in a telecommunications network system,
810653	810653-EP-EPA		12290091.3	EP2640049	EP		16-Mar-32	16-Mar-12	communication terminal device and voice mail server
810804	810804-EP-EPA		12177358.4	EP2688242	EP		20-Jul-32	20-Jul-12	An Improved Method For Computing A Constrained Path In A Network
810813	810813-EP-EPA		12305465.2	2658116	EP		23-Apr-32	23-Apr-12	AMPLIFIER CIRCUIT Optimization Mechanisms For Latency Reduction And
810815	810815-EP-EPT		12798527.3	EP2788872	EP		19-Nov-32	19-Nov-12	Elasticity Improvement In Geographically Distributed Datacenters
010013		ı		1-12/000/2			15-1404-32	13-1404-12	

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FAMILY 81	0825	CASE REFERENCE 810825-EP-EPA	GRANT NUMBER	APPLICATION NUMBER 12305666.5	NUMBER EP2674922	<b>COUNTRY</b> EP	ISSUE DATE	EXPINATION DATE 11-Jun-32	APPLICATION DATE 11-Jun-12	TITLE Protection At Network Element Location
81	10829	810829-EP-EPA		12290065.7	EP2632204	EP		27-Feb-32	27-Feb-12	A Femtocell Base Station, A User Terminal, A Method Of Sending Femtocell Base Station Status Information To A User Terminal, And A Method Of Receiving
										Apparatus, Method And Computer Program For A
81	0838	810838-EP-EPA		12305284.7	EP2637321	EP		9-Mar-32	9-Mar-12	Base Station Transceiver  Method For Optimizing Radio Link Transmission In A Radio Communication System, Transmission Unit, Selection Unit, Network Node, And Apparatus
81	0852	810852-DE-EPA	EP2592764	11306477.8	EP2592764	DE	19-Mar-14	14-Nov-31	14-Nov-11	Thereof  Method For Optimizing Radio Link Transmission In A Radio Communication System, Transmission Unit,
81	0852	810852-FR-EPA	EP2592764	11306477.8	EP2592764	FR	19-Mar-14	14-Nov-31	14-Nov-11	Selection Unit, Network Node, And Apparatus Thereof Method For Optimizing Radio Link Transmission In A
81	0852	810852-GB-EPA	EP2592764	11306477.8	EP2592764	GB	19-Mar-14	14-Nov-31	14-Nov-11	Radio Communication System, Transmission Unit, Selection Unit, Network Node, And Apparatus Thereof Voice And Data Communication Over Wireless
	0860 0886	810860-IN-NP 810886-EP-EPA		130/DEL/2012 12360051.2	130/DEL/2012 EP2693794	IN EP		13-Jan-32 2-Aug-32	13-Jan-12 2-Aug-12	Networks Radio Cells
										Extending the LDAP "Who am I?" Operation for virtual Public distribution list
81	0893	810893-EP-EPA		13174366.8	EP2690834	EP		28-Jun-33	28-Jun-13	
81	0894	810894-EP-EPA		12290038.4	EP2624638	EP		31-Jan-32	31-Jan-12	Method For Reducing The Uplink Interferences Produced By Non-serving Users And Associated Equipment In Heterogeneous Networks
81	0922	810922-EP-EPA		11306473.7	EP2592884	EP		14-Nov-31	14-Nov-11	Location Update In A Multi-Radio Access Technology Mobile System
	0934	810934-EP-EPA		12305344.9	2642677	EP		23-Mar-32	23-Mar-12	METHOD OF OPERATING A COMMUNICATION NETWORK AND NETWORK NODE
81	10956	810956-EP-EPA		12305856.2	EP2688348	EP		16-Jul-32	16-Jul-12	Apparatuses, Methods, and Computer Programs for Base Station Transceivers
	0980	810980-EP-EPA		12305368.8	EP2645837	EP EP		29-Mar-32	29-Mar-12	Device For Thermoelectric Heat Exchange
	1026	011076 HE ND	US9181933	13/710052	20140157769	US	10-Nov-15	27 Aug 22	10 Dec 13	Temperature Control Device With A Passive Thermal Feedback Control Valve
	1036	811036-US-NP 811079-DE-EPA	EP2693560	12360054.6	EP2693560	DE	28-Dec-16	27-Aug-33 2-Aug-32	10-Dec-12 2-Aug-12	Filter Assembly
	1079	811079-FR-EPA	EP2693560	12360054.6	EP2693560	FR	28-Dec-16	2-Aug-32	2-Aug-12	Filter Assembly
	1079	811079-GB-EPA	EP2693560	12360054.6	EP2693560	GB	28-Dec-16	2-Aug-32	2-Aug-12	Filter Assembly
81	1121	811121-EP-EPA		12360018.1	EP2640115	EP		16-Mar-32	16-Mar-12	Radio Coverage Reporting
81	1122	811122-EP-EPA		12159246.3		EP		13-Mar-32	13-Mar-12	System And Method For Transmitting A Video Signal
	1135	811135-EP-EPA		12305102.1	EP2620681	EP		26-Jan-32	26-Jan-12	A Fluidic Valve Unit Method And Apparatus For Defferred Scheduling For
81	11143	811143-KR-PCT	KR101545109	20147017632		KR	10-Aug-15	25-Oct-32	25-Oct-12	JTAG Systems  Method And Apparatus For Deferred Scheduling For JTAG Systems
81	1143	811143-US-CIP	US8719649	13/338581	20120117436	US	6-May-14	27-Dec-29	28-Dec-11	
81	1143	811143-EP-EPT		12783476.0	EP2798360	EP		25-Oct-32	25-Oct-12	Method And Apparatus For Defferred Scheduling For JTAG Systems
81	1165	811165-US-CIP	US9148389	13/674259	20130077621	US	29-Sep-15	18-Feb-32	12-Nov-12	System And Method For A Virtual Chassis System
										Network Node And Method In A Node Operable In A Virtual Chassis System Where In It Is Determined Whether To Issue A Warning That An Administrative
81	1166	811166-CN-PCT		201380058724.5	CN104813617A	CN		6-Nov-33	6-Nov-13	Action Triggers A Virtual Chassis Split
81	1166	811166-EP-EPT		13795082.0		EP		6-Nov-33	6-Nov-13	Network Node And Method In A Node Operable In A Virtual Chassis System Where In It Is Determined Whether To Issue A Warning That An Administrative Action Triggers A Virtual Chassis Split
										Network Node And Method In A Node Operable In A Virtual Chassis System Where In It Is Determined Whether To Issue A Warning That An Administrative
81	1166	811166-KR-PCT	KR101689096	20157012357	20150070270	KR	16-Dec-16	6-Nov-33	6-Nov-13	Action Triggers A Virtual Chassis Split  System And Method For Virtual Chassis Split  Prevention
81	1166	811166-US-CIP	US9148390	13/674315	20130073711	US	29-Sep-15	18-Feb-32	12-Nov-12	
	1167	811167-CN-PCT		201380058266.5	CN104769896A	CN		6-Nov-33	6-Nov-13	System And Method For A Pass Thru Mode In A Virtual Chassis System
										System And Method For A Pass Thru Mode In A Virtual Chassis System
81	1167	811167-EP-EPT		13795078.8	EP2918054	EP		6-Nov-33	6-Nov-13	System And Method For A Pass Thru Mode In A Virtual Chassis System
81	1167	811167-JP-PCT	JP6109954	2015541865	2016502329	JP	17-Mar-17	6-Nov-33	6-Nov-13	System And Method For A Pass Thru Mode In A Virtual Chassis System
81	1167	811167-KR-PCT	KR101665276	20157012325	20150067361	KR	5-Oct-16	6-Nov-33	6-Nov-13	System And Method For A Pass Thru Mode In A Virtual Chassis System
	1167	811167-US-CIP	US9148391	13/674352	20130064137	US	29-Sep-15	7-Feb-32	12-Nov-12	Manual Character Comp. Co. 1, 120
	1168	811168-CN-PCT 811168-EP-EPT		201380070107.7 13795080.4	CN104919760A EP2918049	CN EP		6-Nov-33 6-Nov-33	6-Nov-13 6-Nov-13	Virtual Chassis System Control Protocols Virtual Chassis System Control Protocols
	1168	811168-EP-EPT 811168-JP-PCT	JP6072278	2015541866	2016501462	JP	13-Jan-17	6-Nov-33	6-Nov-13	Virtual Chassis System Control Protocols  Virtual Chassis System Control Protocols
81	1168	811168-KR-PCT	KR101691759	20157012358	20150067365	KR	26-Dec-16	6-Nov-33	6-Nov-13	Virtual Chassis System Control Protocols
81	1168	811168-US-CIP	US9172662	13/674392	20130064102	US	27-Oct-15	19-Jan-32	12-Nov-12	Virtual Chassis System Control Protocols
81	1186	811186-CN-PCT		201380005341.1	CN104041103A	CN		7-Jan-33	7-Jan-13	Wireless Communication Systems, Replay Systems And Methods Of Relaying Data

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FAMILY	Case Reference	GHANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY		EXPIRATION DATE	APPLICATION DATE	######################################
811186	811186-EP-EPT		13700807.4	EP2803220	EP		7-Jan-33	7-Jan-13	And Methods Of Relaying Data  Wireless Communication Systems, Replay Systems
811186	811186-JP-PCT		2014552228	2015509326	JP		7-Jan-33	7-Jan-13	And Methods Of Relaying Data
811186	811186-US-NP	US8811246	13/350364	20130182634	US	19-Aug-14	24-Jun-32	13-Jan-12	Wireless Communication Systems, Replay Systems And Methods Of Relaying Data
811202	811202-EP-EPA		14186913.1	EP3001586	EP		29-Sep-34	29-Sep-14	Optical Communication System
811227 811232	811227-US-NP 811232-EP-EPA	US8923706	13/556635 12360006.6	20140029957 EP2621235	US EP	30-Dec-14	19-Jan-33 27-Jan-32	24-Jul-12 27-Jan-12	Frequency Equalization For An Optical Transmitter Transmission Regime Control
811253	811253-EP-EPA		12306129.3	EP2709416	EP		18-Sep-32	18-Sep-12	A Method For Allocating Transmission Resource In HD FDD Wireless Communication Systems
									Support Of Mobile-Terminated Service Delivery Over
811259	811259-CN-PCT		201380016745.0	104221450	CN		25-Jan-33	25-Jan-13	A Multi-Rat And/Or Multi-Domain Mobile Network  Support Of Mobile Terminated Service Delivery Over
811259	811259-EP-EPA		12290034.3	EP2621227	EP		27-Jan-32	27-Jan-12	A Multi-Rat And/or Multi-Domain Mobile Network
81125 <del>9</del>	811259-JP-PCT	JP6008987	2014553734	2015512180	JP	23-Sep-16	25-Jan-33	25-Jan-13	Support Of Mobile-Terminated Service Delivery Over A Multi-Rat And/Or Multi-Domain Mobile Network
811259	811259-US-PCT	US9282527	14/374829	20150011210	US	8-Mar-16	25-Jan-33	25-Jan-13	Support Of Mobile-Terminated Service Delivery Over A Multi-Rat And/Or Multi-Domain Mobile Network
811283	811283-CN-PCT		201380007194.1	CN104221320A	CN		28-Jan-33	28-Jan-13	Methods For Transmitting And Receiving Control Information
811283	811283-JP-PCT	JP5959666	2014555601	2015511448	JP	1-Jul-16	28-Jan-33	28-Jan-13	Methods For Transmitting And Receiving Control Information
									Methods For Transmitting And Receiving Control
811283	811283-KR-PCT	KR101646860	20147021081	20140114402	KR	2-Aug-16	28-Jan-33	28-Jan-13	Information  Methods For Transmitting And Receiving Control
811283	811283-US-NP	US9571241	13/360937	20130195068	US	14-Feb-17	21-Jan-34	30-Jan-12	Information Using Time-Frequency Resources Of Decoding Candidates  Methods For Transmitting And Receiving Control
811283	811283-EP-EPT		13703262.9	EP2810396	EP		28-Jan-33	28-Jan-13	Information  Device And Method For Transmitting Samples Of A
811288	811288-DE-EPA	EP2683102	12305799.4	EP2683102	DE	8-Oct-14	3-Jul-32	3-Jul-12	Digital Baseband Signal  Device And Method For Transmitting Samples Of A
811288	811288-FR-EPA	EP2683102	12305799.4	EP2683102	FR	8-Oct-14	3-Jul-32	3-Jul-12	Digital Baseband Signal  Device And Method For Transmitting Samples Of A
811288	811288-GB-EPA	EP2683102	12305799.4	EP2683102	GB	8-Oct-14	3-Jul-32	3-Jul-12	Digital Baseband Signal
811288	811288-CN-PCT		201380035338.4	CN104412529A	CN		23-May-33	23-May-13	Device And Method For Transmitting Samples Of A Digital Baseband Signal
811288	811288-IN-PCT		9403/CHENP/2014	9403/CHENP/2014	IN		23-May-33	23-May-13	Device And Method For Transmitting Samples Of A Digital Baseband Signal
811288	811288-KR-PCT	KR101715529	20157000005	20150018618	KR	6-Mar-17	23-May-33	23-May-13	Device And Method For Transmitting Samples Of A Digital Baseband Signal
		11101713323				5 (VIII) 17			Device And Method For Transmitting Samples Of A
811288 811293	811288-US-PCT 811293-EP-EPA		14/412503 12306051.9	20150189692 EP2704069	US EP		23-May-33 4-Sep-32	23-May-13 4-Sep-12	Digital Baseband Signal  Question And Answer Management System
811295	811295-EP-EPT		13771594.2	EP2880935	EP		22-Jul-33	22-Jul-13	A Network Map For Location-Based Mobility Decisions  A Network Map For Location-Based Mobility
811295	811295-CN-PCT		201380041152.X	CN104521299A	CN		22-Jul-33	22-Jul-13	Decisions
									A Network Map For Location-Based Mobility Decisions
811295	811295-KR-PCT	KR101615879	20157004985	20150038382	KR	21-Apr-16	22-Jul-33	22-Jul-13	
811295	811295-US-NP	US8768369	13/564065	20140038634	US	1-Jul-14	1-Aug-32	1-Aug-12	Network Map For Location-Based Mobility Decisions
811318	811318-CN-PCT		201380051943.0	CN104704880A	CN		23-Sep-33	23-Sep-13	A Proactive, Location-Based Trigger For Handover And Redirection Procedures
									A Proactive, Location-Based Trigger For Handover And Redirection Procedures
811318	811318-EP-EPT		13844321.3	EP2904845	EP		23-Sep-33	23-Sep-13	A Proactive, Location-Based Trigger For Handover
811318	811318-JP-PCT	JP6074044	2015534892	2015536102	JP	13-Jan-17	23-Sep-33	23-Sep-13	And Redirection Procedures  A Proactive, Location-Based Trigger For Handover
811318	811318-KR-PCT	KR101649861	20157008425	20150052211	KR	16-Aug-16	23-Sep-33	23-Sep-13	And Redirection Procedures
					EP	10710g 10			A Method For Triggering Transmissions, And A
811378	811378-EP-EPA		12305366.2	EP2645611			29-Mar-32	29-Mar-12	Network Device Therefor  Method And Apparatus For Providing Green
811405	811405-EP-EPA		12193336.0	EP2733624	EP		20-Nov-32	20-Nov-12	Recommendations Of Digital Contents  Method For Providing Automatic Repeat Request
811414	811414-DE-EPA	EP2706697	12306075.8	EP2706697	DE	5-Aug-15	7-Sep-32	7-Sep-12	Error Control And Related Terminal And ARQ Contro Center Method For Providing Automatic Repeat Request
811414	811414-FR-EPA	EP2706697	12306075.8	EP2706697	FR	5-Aug-15	7-Sep-32	7-Sep-12	Error Control And Related Terminal And ARQ Contro Center
811414	811414-GB-EPA	EP2706697	12306075.8	EP2706697	GB	5-Aug-15	7-Sep-32	7-Sep-12	Method For Providing Automatic Repeat Request Error Control And Related Terminal And ARQ Contro Center
811429	811429-EP-EPA		12306104.6	EP2709318	EP		13-Sep-32	13-Sep-12	Blade And Advanced Mezzanine Card AMC Activation Control In An Advanced Telecom Computing Architecture ATCA Shelf
	811462-EP-EPA		12305679.8	EP2675098	EP		15-Jun-32	15-Jun-12	A method for determination of an ap-propriate data compression for retransmission, and a network device therefor
811462					DE	28-Dec-16	19-Mar-32	19-Mar-12	Control Signalling
811483	811483-DE-EPA	EP2642812	12360021.5	EP2642812					
		EP2642812 EP2642812 EP2642812	12360021.5 12360021.5 12360021.5	EP2642812 EP2642812	FR GB	28-Dec-16 28-Dec-16	19-Mar-32 19-Mar-32	19-Mar-12 19-Mar-12	Control Signalling Control Signalling
811483 811483	811483-DE-EPA 811483-FR-EPA	EP2642812	12360021.5	EP2642812	FR	28-Dec-16	19-Mar-32	19-Mar-12	Control Signalling

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FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	TITLE
811489	811489-GB-EPA	EP2736290	12360079.3	EP2736290	GB	19-Aug-15	21-Nov-32	21-Nov-12	Methods To Adjust And Validate SIR Target For eFACH Transmission
811491	811491-EP-EPA		12306271.3	EP2720429	EP		15-Oct-32	15-Oct-12	Apparatuses, Methods And Computer Programs For A Remote Unit And A Central Unit
811501	811501-US-NP	US8773292	13/647607	20140097974	US	8-Jul-14	9-Oct-32	9-Oct-12	Data Compression
811505	811505-EP-EPA		12382363.5	EP2709333	EP		18-Sep-32	18-Sep-12	Method And Devices For Data Leak Protection
044534	044534 50 504			500704054	F.D.		4.5 22	4.5 42	Optical Communication Method For Transmitting An
811531 811538	811531-EP-EPA 811538-EP-EPA		12183011.1 12290385.9	EP2704364 EP2730958	EP EP		4-Sep-32 7-Nov-32	4-Sep-12 7-Nov-12	Information Signal DETECTEUR COHERENT AMPLIFIE
011000	DIIDO EL ELA		1225000515	E1 21 00000			7,101.02	7 1107 12	Optical Feed-Forward Equalizer For Mimo Signal
									Processing
811576 811577	811576-US-NP 811577-EP-EPA	US9083472	13/786638 12305638.4	20130236195 EP2672648	US EP	14-Jul-15	12-Jul-32 6-Jun-32	6-Mar-13 6-Jun-12	Signaling Concept For Multi-User Detection
811578	811578-EP-EPA		12290406.3	EP2735977	EP		21-Nov-32	21-Nov-12	Media Cloud Copyless Message Passing
811578	811578-US-NP		14/050933	20140143335	US		10-Oct-33	10-Oct-13	Media Cloud Copyless Message Passing
									Apparatus and method for forwarding packets or
811593	811593-EP-EPA		12306452.9	EP2736205	EP		22-Nov-32	22-Nov-12	messages Spatial Division Diversity In Photonic Integrated
									Circuits
811608	811608-US-NP	US9335477	13/827205	20140079353	US	10-May-16	22-Aug-33	14-Mar-13	Dunkaskad Dunadaask In A Manuing Massage Delivery
811616	811616-EP-EPA		12305875.2	EP2688322	EP		19-Jul-32	19-Jul-12	Protected Broadcast In A Warning Message Delivery Chain
									Multi-Flow Network
811632	811632-EP-EPA		12360023.1	EP2645808	EP		26-Mar-32	26-Mar-12	
									Apparatuses, Methods, and Computer Programs for a
811641	811641-EP-EPA		13305042.7	EP2757750	EP		16-Jan-33	16-Jan-13	Channel Estimator and a Base Station Transceiver
									Method And Apparatus For Generating A Modulated
811663	811663-EP-EPA		13305357.9	EP2785000	EP		25-Mar-33	25-Mar-13	RF Signal
									System, Method, And Apparatus To Mitigate Risk Of
811668	811668-US-NP	US9239936	13/628207	20140090090	US	19-Jan-16	21-Nov-33	27-Sep-12	Compromised Privacy
811683	811683-EP-EPA	05525555	12360024.9	EP2645773	EP	15 3411 15	27-Mar-32	27-Mar-12	Managing Handover
044700	044700 DE EDA	FB3705705	12205070 0	FD3705705		4.0045	7.5 22	7.5 43	Konnektivitätsprüfung Eines Bidirektionalen
811708	811708-DE-EPA	EP2706705	12306070.9	EP2706705	DE	4-Nov-15	7-Sep-32	7-Sep-12	Kreispfads In Einem Kommunikationsnetzwerk Connectivity Checking Of A Bidirectional Circular
811708	811708-FR-EPA	EP2706705	12306070.9	EP2706705	FR	4-Nov-15	7-Sep-32	7-Sep-12	Path In A Communication Network
									Connectivity Checking Of A Bidirectional Circular
811708	811708-GB-EPA	EP2706705	12306070.9	EP2706705	GB	4-Nov-15	7-Sep-32	7-Sep-12	Path In A Communication Network
811708	811708-US-PCT		14/419503	20150229550	US		15-Aug-33	15-Aug-13	Connectivity Checking Of A Bidirectional Circular Path In A Communication Network
811708	811708-03-FC1		14/413303	20130229330	0.5		13-Aug-33	13-Aug-13	Patriff A Confinencation Network
									Method And Apparatus For Optimizing Usage Of
811718	811718-US-NP	US8937945	13/611915	20140071985	US	20-Jan-15	4-Feb-33	12-Sep-12	Ternary Content Addressable Memory (TCAM)
									Signalling Method To Implement SMS-Only
811748	811748-EP-EPT		13717376.1	EP2834999	EP		1-Apr-33	1-Apr-13	Signalling Method To Implement SMS-Only Functionality For PS-Only Devices In 2G/3G Network
									, , , , , , , , , , , , , , , , , , , ,
									Apparatus And Method For Transferring Mulitple
811781	811781-US-NP	US9312838	14/107878	20150171850	US	12-Apr-16	3-Jul-34	16-Dec-13	Asynchronous Clock Signals Over A Single Conductor Lensless Compressive Image Acquisition
811811	811811-US-CIP		13/658900	20130201343	US		7-Feb-32	24-Oct-12	Letisless Compressive image Acquisition
			·						A method, a server and a pointing device for
811855	811855-EP-EPA		12305969.3	EP2693330	EP		3-Aug-32	3-Aug-12	enhancing presentations
									Signal Processing Device And Method Of Processing At Least Two Input Signals For A Transmitter Of A
811873	811873-EP-EPA		12290298.4	EP2706714	EP		10-Sep-32	10-Sep-12	Communications Device
811874	811874-EP-EPA		12360034.8	EP2663013	EP		10-May-32	10-May-12	Uplink MIMO
811942	811942-EP-EPA		12360042.1	EP2667671	EP		21-May-32	21-May-12	A Multi-Flow Network
									System And Method Providing Standby Bypass For
811951	811951-US-NP	US8982691	13/630908	20140092722	US	17-Mar-15	18-Apr-33	28-Sep-12	Double Failure Protection In MPLS Network
		ZL201210360590							Charging Correlation For Parallel Charging Request In
811997 812017	811997-CN-NP 812017-EP-EPT	.X	201210360590.X 13821037.2	CN103686660A EP2939358	CN EP	21-Dec-16	21-Sep-32 18-Dec-33	21-Sep-12 18-Dec-13	LTE Policy And Charging Control (PCC) Architecture Security Aspects Of Spatial Multiplexing
012017	012017 EF EFF		13021037.2	E1 2333330			10 000 33	10 000 13	Secure Data Transmission via Spatially Multiplexed
									Optical Signals
812017[1]	812017[1]-US-DIV	ļ	15/183690	20170093503	US		28-Dec-32	15-Jun-16	WSE AD Coloration Francisco de la Coloration Fra
									WiFi AP Selection Framework In Heterogeneous Networks (HetNet)
812029	812029-EP-EPT		13740421.6	EP2875680	EP		3-Jul-33	3-Jul-13	side (indirect)
									WiFi AP Selection Framework In Heterogeneous
									Networks (HetNet)
812029	812029-CN-PCT		201380038117.2	CN104488326A	CN		3-Jul-33	3-Jul-13	WiFi AP Selection Framework In Heterogeneous
									Networks (HetNet)
812029	812029-IN-PCT		217/CHENP/2015	217/CHENP/2015	IN		3-Jul-33	3-Jul-13	(,
									WiFi AP Selection Framework In Heterogeneous
812029	812029-JP-PCT		2015523113	2015526986	JP		3-Jul-33	3-Jul-13	Networks (HetNet)
812029	812029-JP-PCI		2015523113	2015526986	JP		3-Jul-33	3-Jul-13	WiFi AP Selection Framework In Heterogeneous
									Networks (HetNet)
812029	812029-KR-PCT	KR101609522	20157001043	20150023020	KR	30-Mar-16	3-Jul-33	3-Jul-13	
912020	912020-US-ND	1150220740	12/551004	20140022012	l Ic	10. May: 10	17 4 22	10 101 13	Method And Apparatus For Selecting A Wireless
812029	812029-US-NP	US9338740	13/551894	20140022918	US	10-May-16	17-Aug-33	18-Jul-12	Access Point
812068	812068-US-NP	US9172461	13/730131	20140186030	US	27-Oct-15	11-Apr-33	28-Dec-12	Optical Fibers With Varied Mode-Dependent Loss
									A Small Cell Base Station, A Macrocell Base Station
912050	912060 ED EDA		12200205 7	ED2712250	FD.		10.6 22	10.6 12	Controller, A Telecommunications Network, And A
812069	812069-EP-EPA	1	12290305.7	EP2712250	EP		19-Sep-32	19-Sep-12	Method of Handover
									Method And Apparatus For Resource Allocation For
812076	812076-CN-PCT		201380029054.4	CN104365125A	CN		30-May-33	30-May-13	Device-To-Device Communication
									Method And Apparatus For Resource Allegation 5
812076	812076-JP-PCT		2015515164	2015518359	JP		30-May-33	30-May-13	Method And Apparatus For Resource Allocation For Device-To-Device Communication
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812076	812076-US-NP	US8948107	13/484863	20130322345	US	3-Feb-15	9-Feb-33	31-May-12	Method And Apparatus For Resource Allocation For Device-To-Device Communication
812076	812076-EP-EPT		13730697.3	EP2856786	EP		30-May-33	30-May-13	Method And Apparatus For Resource Allocation For Device-To-Device Communication
812087 812119	812087-EP-EPA 812119-EP-EPA		12306668.0 13305904.8	EP2747216 EP2819159	EP EP		24-Dec-32 27-Jun-33	24-Dec-12 27-Jun-13	Connector With Improved ESD Protection Cooling Technique
812158	812158-EP-EPA		12306353.9	EP2728917	EP		30-Oct-32	30-Oct-12	Process For Protecting The Privacy Of A User In A Network
812171	812171-CN-PCT		201380060280.9	CN104823199A	CN		13-Nov-33	13-Nov-13	Privacy-Enabling Module For Web Applications
812171	812171-JP-PCT		2015544082	2016506555	JP		13-Nov-33	13-Nov-13	Privacy-Enabling Module For Web Applications
812171	812171-EP-EPT		13798478.7	EP2923297	EP		13-Nov-33	13-Nov-13	Privacy-Enabling Module For Web Applications
									Method of protecting data stored in an electronic
812185	812185-EP-EPA		12290433.7	EP2743860	EP		12-Dec-32	12-Dec-12	database Setting The Power Of A Plurality Of Optical Signals In An Optical Network
812218	812218-EP-EPA		14305514.3	EP2930869	EP		8-Apr-34	8-Apr-14	
812225	812225-DE-EPA	EP2727759	12290381.8	EP2727759	DE	14-Jan-15	5-Nov-32	5-Nov-12	A method and device for a vehicle assist system
812225	812225-FR-EPA	EP2727759	12290381.8	EP2727759	FR	14-Jan-15	5-Nov-32	5-Nov-12	A method and device for a vehicle assist system
812225	812225-GB-EPA	EP2727759	12290381.8	EP2727759	GB	14-Jan-15	5-Nov-32	5-Nov-12	A method and device for a vehicle assist system
812245	812245-EP-EPA		12306657.3	EP2747323	EP		21-Dec-32	21-Dec-12	Method of deriving data symbols from an optical polarization division multiplexed signal
812246	812246-EP-EPA		13305395.9	EP2784962	EP		28-Mar-33	28-Mar-13	Method Of Receiving A Phase-modulated Polarization Division Multiplexed Optical Signal
812249	812249-CN-PCT		201380035368.5	CN 104769872 A	CN		25-Jun-33	25-Jun-13	Reprogrammable Optical Networks
812290	812290-CN-PCT		201380044683.4	CN104871632A	CN		23-Aug-33	23-Aug-13	Device Discovery For Device-To-Device Communication
812290	812290-EP-EPT		13756974.5	EP2891377	EP		23-Aug-33	23-Aug-13	Device Discovery For Device-To-Device Communication
812290	812290-TW-NP	TWI559809	102130244	201414347	TW	21-Nov-16	23-Aug-33	23-Aug-13	Device Discovery For Device-To-Device Communication
812290	812290-US-NP	US9451570	13/598199	20140064263	US	20-Sep-16	23-May-34	29-Aug-12	Device Discovery For Device-To-Device Communication
812313	812313-EP-EPT		13742091.5	EP2875684	EP		11-Jul-33	11-Jul-13	Method, Apparatus And Computer Readable Medium For Timing Alignment In Overlaid Heterogeneous Wireless Networks
812313	812313-CN-PCT		201380038135.0	CN104488337A	CN		11-Jul-33	11-Jul-13	Method, Apparatus And Computer Readable Medium For Timing Alignment In Overlaid Heterogeneous Wireless Networks
812313	812313-US-NP	US8934452	13/551088	20140023035	US	13-Jan-15	5-Apr-33	17-Jul-12	Method, Apparatus And Computer Readable Medium For Timing Alignment In Overlaid Heterogeneous Wireless Networks
									Apparatus, Method, And Computer Program For A
812339	812339-EP-EPA		12306497.4	EP2739105	EP		30-Nov-32	30-Nov-12	Central Unit Of A Base Station Transceiver
812368 812368	812368-DE-EPA 812368-FR-EPA	EP2696639 EP2696639	12360060.3 12360060.3	EP2696639 EP2696639	DE FR	4-Mar-15 4-Mar-15	6-Aug-32	6-Aug-12	Initiating Handover
812368	812368-GB-EPA	EP2696639	12360060.3	EP2696639	GB	4-Mar-15	6-Aug-32 6-Aug-32	6-Aug-12 6-Aug-12	Initiating Handover Initiating Handover
812372	812372-EP-EPA		12290285.1	EP2704475	EP		29-Aug-32	29-Aug-12	Method for finding an optimal position of a new pico cell within a macro cell
812377 812446	812377-US-NP 812446-EP-EPA	US9172660	13/828167 12306181.4	20140269684 EP2713436	US EP	27-Oct-15	12-Dec-33 28-Sep-32	14-Mar-13 28-Sep-12	Switch Fabric With Collector-Based Cell Reordering Module Active Antenna Unit
812457	812457-US-NP	US8964616	13/617423	20140078945	US	24-Feb-15	28-Mar-33	14-Sep-12	System And Method For Scheduling Cell Broadcast Message
812458	812458-CN-PCT		201380055403.X	CN104685837A	CN		21-Oct-33	21-Oct-13	Distance-Based Automatic Gain Control And Proximity-Effect Compensation
812467	812467-CN-PCT		2013800630847	CN104904148A	CN		22-Nov-33	22-Nov-13	Method and apparatus for transmitting an asynchronous transport signal over an optical section
									Method and Apparatus for Transmitting an Asynchronous Transport Signal over an Optical Section
812467	812467-EP-EPA		12306506.2	EP2738964	EP		3-Dec-32	3-Dec-12	Method And Apparatus For Transmitting An Asynchronous Transport Signal Over An Optical
812467 812473	812467-US-PCT 812473-EP-EPA	US9407458	14/438658 12360071.0	20150288538 EP2713664	US EP	2-Aug-16	22-Nov-33 28-Sep-32	22-Nov-13 28-Sep-12	Section Network Attachment
									Resilient End-To-End Message Protection For Large- Scale Cyber-Physical System Communications
812488	812488-EP-EPT		13852343.6	EP2915280	EP		30-Oct-33	30-Oct-13	Method And Apparatus For Resilient End-To-End Message Protection For Large-Scale Cyber-Physical
812488	812488-US-NP	US9106413	13/837440	20140129838	US	11-Aug-15	29-Dec-32	15-Mar-13	System Communications A Method Of Extracting The Most Significant Frames Out Of A Video Stream Based On Aesthetical
812495	812495-EP-EPA		12306554.2	EP2741488	EP		10-Dec-32	10-Dec-12	Criterions Capability-Based Communications
812502	812502-EP-EPT		13815934.8	EP2939375	EP		18-Dec-33	18-Dec-13	Capability-Based Communications
812502	812502-JP-PCT		2015550483	2016509288	JP		18-Dec-33	18-Dec-13	Mobility Robustness Optimization Based On
812517	812517-CN-PCT		201380050511.8	CN104704869A	CN		13-Sep-33	13-Sep-13	Reference Signal Strength Maps

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	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	TITLE Mobility Robustness Optimization Based On
812517	812517-EP-EPT		13766850.5	EP2901736	EP		13-Sep-33	13-Sep-13	Reference Signal Strength Maps
812517	812517-JP-PCT	JP6050506	2015534539	2015530849	JP	2-Dec-16	13-Sep-33	13-Sep-13	Mobility Robustness Optimization Based On Reference Signal Strength Maps
812517	812517-US-NP	US9179384	13/731183	20140087739	US	3-Nov-15	28-Jul-33	31-Dec-12	Mobility Robustness Optimization Based On Reference Signal Strength Maps
	812521-DE-EPT	EP2939365	13824058.5	EP2939365	DE	27-Apr-16	23-Dec-33	23-Dec-13	Devices And Methods For Multicast
	812521-FR-EPT	EP2939365	13824058.5	EP2939365	FR	27-Apr-16	23-Dec-33	23-Dec-13	Devices And Methods For Multicast
	812521-GB-EPT	EP2939365	13824058.5	EP2939365	GB	27-Apr-16	23-Dec-33	23-Dec-13	Devices And Methods For Multicast
812557	812557-US-NP	US8975955	13/710605	20140159808	US	10-Mar-15	21-Mar-33	11-Dec-12	Design And Analysis Of Doherty Amplifiers
									Method And Apparatus For Processing GPRS Tunneling Protcol User Plane Traffic In A Cloud-Based Mobile Network
812564	812564-US-NP	US9185058	13/835821	20140269533	US	10-Nov-15	25-Mar-33	15-Mar-13	Orchestration Models Learning For Video Conference
812565	812565-DE-EPA	EP2704430	12182272.0	EP2704430	DE	15-Apr-15	29-Aug-32	29-Aug-12	Systems
812565	812565-FR-EPA	EP2704430	12182272.0	EP2704430	FR	15-Apr-15	29-Aug-32	29-Aug-12	Orchestration Models Learning For Video Conference Systems
812565	812565-GB-EPA	EP2704430	12182272.0	EP2704430	GB	15-Apr-15	29-Aug-32	29-Aug-12	Orchestration Models Learning For Video Conference Systems
812616	812616-DE-EPA	EP2747324	12306635.9	EP2747324	DE	1-Apr-15	20-Dec-32	20-Dec-12	OPTICAL NETWORK NODE FOR AN OPTICAL RING NETWORK
812616	812616-FR-EPA	EP2747324	12306635.9	EP2747324	FR	1-Apr-15	20-Dec-32	20-Dec-12	OPTICAL NETWORK NODE FOR AN OPTICAL RING NETWORK
	812616-GB-EPA	EP2747324	12306635.9	EP2747324	GB	1-Apr-15	20-Dec-32	20-Dec-12	OPTICAL NETWORK NODE FOR AN OPTICAL RING NETWORK
	812632-US-NP	112747324	13/926746	20140378103	US	1-Apr-13	25-Jun-33	25-Jun-13	Archiving A Delivery Status For Text Message
812633	812633-US-NP		14/672661	20160295459	US		30-Mar-35	30-Mar-15	Method And Apparatus For Improved Load Balancing
812634	812634-US-NP	US9042253	13/729790	20140086198	US	26-May-15	25-Apr-33	28-Dec-12	Resource Allocation In Heterogeneous LTE Networks Via CSMA-Based Algorithms
	812637-EP-EPA		12306173.1	EP2713532	EP		27-Sep-32	27-Sep-12	Optical coherent transponder
812659	812659-EP-EPA		12360070.2	EP2713525	EP		27-Sep-32	27-Sep-12	Downlink Radio Link Failure For MF-HSDPA
812667	812667-KR-NP	KR101514126	1020130059757		KR	15-Apr-15	27-May-33	27-May-13	Interference Alignment For Single-User MIMO Channel Using Real-Valued Modulation
812815	812815-EP-EPA		12306190.5	EP2713653	EP		28-Sep-32	28-Sep-12	User Plane Handover For Heterogeneous Networks
812828	812828-EP-EPA		13305687.9	EP2809037	EP		27-May-33	27-May-13	A Method And A Router For Inter-Domain Routing
									Methods For Allocating Wireless Resources In Wireless Network
812851	812851-CN-PCT		201380050770.0	CN104770035A	CN		25-Sep-33	25-Sep-13	
									Methods For Allocating Wireless Resources In Wireless Network
	812851-TW-NP	TWI513346	102134752	201419912	TW	11-Dec-15	26-Sep-33	26-Sep-13	Methods And Apparatuses For Allocating Wireless
812851	812851-US-NP	US9161342	13/803794	20140092820	US	13-Oct-15	29-Jun-33	14-Mar-13	Resources In Wireless Network
812971	812971-EP-EPA		12306701.9	EP2750463	EP		28-Dec-32	28-Dec-12	Transmission Of Uplink Physical Layer Signaling In A Mobile System Supporting Carrier Aggregation
									Method For Signal Conditioning In A Processing
812985	812985-EP-EPA		13305166.4	EP2765704	EP		12-Feb-33	12-Feb-13	Apparatus And Processing Apparatus Thereof Optical Communication With Spatially Multiplexed
812988	812988-EP-EPA		14305289.2	EP2913943	EP		28-Feb-34	28-Feb-14	Optical Packet Signals Signal Modulation By Pulse Train Segments For
812995	812995-DE-EPA	EP2728745	12191281.0	EP2728745	DE	12-Aug-15	5-Nov-32	5-Nov-12	Radiofrequency Communications Signal Modulation By Pulse Train Segments For
812995	812995-FR-EPA	EP2728745	12191281.0	EP2728745	FR	12-Aug-15	5-Nov-32	5-Nov-12	Radiofrequency Communications Signal Modulation By Pulse Train Segments For
812995	812995-GB-EPA	EP2728745	12191281.0	EP2728745	GB	12-Aug-15	5-Nov-32	5-Nov-12	Radiofrequency Communications
812995	812995-TW-NP	TWI551050	103116093		TW	21-Sep-16	6-May-34	6-May-14	Signal Modulation By Pulse Train Segments For Radiofrequency Communications
813002	813002-US-CIP	US9300400	13/731738	20130136449	US	29-Mar-16	19-Oct-31	31-Dec-12	Communication Through Multiplexed One- Dimensional Optical Signals
									Apparatus And Method For Providing Required Information On A Topology Of A Communication
	813078-EP-EPA		13305091.4	EP2760160	EP EP		25-Jan-33 27-Feb-34	25-Jan-13	Network
	813124-EP-EPT 813158-DE-EPA	EP2894800	14707139.3 14305026.8	EP2965498 EP2894800	DE	30-Mar-16	9-Jan-34	27-Feb-14 9-Jan-14	Multiple Tariff Switches Management Optical Interconnection Device And Method
	813158-FR-EPA	EP2894800	14305026.8	EP2894800	FR	30-Mar-16	9-Jan-34	9-Jan-14	Optical Interconnection Device And Method
	813158-GB-EPA	EP2894800	14305026.8	EP2894800	GB	30-Mar-16	9-Jan-34	9-Jan-14	Optical Interconnection Device And Method
813200	813200-EP-EPA		13194668.3	EP2878980	EP		27-Nov-33	27-Nov-13	Device For Aligning And Fastening An Optical Fiber Coupled To An Opto-Electronic Component
									Method And Device For Controlling Use Of Applications By A Communication Equipment Of A
813229	813229-EP-EPA		12195955.5	EP2741469	EP		6-Dec-32	6-Dec-12	User Having Accepted A Contract Of Use
									EQUIPMENT-PROTECTED HARDWARE DEVICE FOR IN- SERVICE FIRMWARE UPGRADE OF TRANSMISSION
	813251-EP-EPA 813257-CN-NP		13305597.0 201310224907.1	EP2802107 CN104243396A	EP CN		7-May-33 7-Jun-33	7-May-13 7-Jun-13	SYSTEMS Fixed SCTP Path Selection
813263	813263-CN-NP		201310478766.6	CN104581664A	CN		14-Oct-33	14-Oct-13	Optimal Diversion To Number Service Support Under New EU Roaming Regulation Structure
	813314-TW-NP	TWI542243	103118139	201501563	TW	11-Jul-16	23-May-34	23-May-14	Method For Operating A Base Station In A Heterogeneous Radio Access Network And Base Station Thereof And Method For Operating A Mobile Station In A Heterogeneous Radio Access Network And Mobile Station Thereof
	813314-EP-EPA		13305905.5	EP2819465	EP		27-Jun-33	27-Jun-13	Method For Operating A Base Station in A Heterogeneous Radio Access Network And Base Station Thereof And Method For Operating A Mobile Station Inle Station Thereof And Mobile Station Thereof
	813337-EP-EPA		13305351.2	EP2782281	EP		22-Mar-33	22-Mar-13	Data Transmission
	813391-EP-EPA		13305049.2	EP2757855	EP		17-Jan-33	17-Jan-13	Traffic Offload
813392	813392-EP-EPA		13305372.8	EP2785091	EP		26-Mar-33	26-Mar-13	Hyper Frame Number
813398	813398-CN-NP		201310539818.6	CN104601533A	CN		31-Oct-33	31-Oct-13	A Graceful Shutdown Mechanism For Diameter Based Application
013330		ı		1		i	1 32-000-33	32-00213	принцин

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1996   1996	FAMILY	Case Reference	GRANT NUMBER	application Number	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	TITLE
\$1950	813411	813411-EP-EPA		13305586.3	EP2800429	EP		3-May-33	3-May-13	Electronic Device Having Thermally Managed
\$15.50   \$	813467	813467-US-DIV	US8614108	13/738568	20130123111	US	24-Dec-13	12-Nov-28	10-Jan-13	Of Very Cold Electrons
BASS	012475	91247C HC ND	1150106655	14/040216	20150100624	110	11 Aug 15	B Oct 22	B Oct 12	1 1 1
Base			023100022				11-Aug-15			
2015   2015										Data Contents With A Multimedia Content, And
200021   20002149   20002003										' '
## 1595   1595-1597   1595-159	813657	813657-EP-EPA		13305367.8	EP2784698	EP		26-Mar-33	26-Mar-13	Between Semantically Described Objects
\$1937   \$19374-\$1976   \$193926-\$1976   \$192026-\$1   \$19										System With Multiple Format
1982   1980			US9230215				5-Jan-16			
\$13939   \$13939-FFFA   \$139000000   \$120000000   \$120000000   \$120000000   \$120000000   \$120000000   \$120000000   \$120000000   \$120000000   \$120000000   \$120000000   \$1200000000   \$12000000000   \$12000000000   \$12000000000   \$120000000000   \$120000000000000   \$12000000000000000000000000000000000000										A Method For Improving Amplifier Digital Pre-
### STATES OF THE PART OF THE										Transmitter
### ### ### ### ### ### ### ### ### ##									8-Jun-13	Method For Determining Parameter(S) Of A Transmission System With Cascaded Devices Based
### 1990 ###	813898	813898-EP-EPA		13172865.1	EP2816745	EP		19-Jun-33	19-Jun-13	On A Semiconductor Gain Medium
819392   8195924 PERA	813901	813901-EP-EPA		13305677.0	EP2806584	EP		24-May-33	24-May-13	
\$13379   \$135794797A										Method And Device For Improving A Home Network
\$14060   \$15064US-NP										
S1807   S1801745-DIV   U9959824   13995675   2013913297   U5   1746-15   33-56-10   1-Ag-13   Moring-Price Country for Price Country State (1997)   S18008-05   S18098-05			uspagasas				40.4.45			Method And Assembly Including A Connection
									17-Jan-14	Tri-Colour Data Packet Counting For Tri-Colour
\$14098   \$1409845-PP   U9910496   \$4,4702322   2010040213   U.S.   14-0x-16   27-0x-19   Open Line	814047	814047-US-DIV	US8958424	13/956676	20130315247	US	17-Feb-15	13-Sep-30	1-Aug-13	
\$11426   \$11426-05-PP   13780-000   20101427/35   US   1-2-1-1-0   17-0-0-33   15-0-0-1-1   15-0-0-1   15-0-	814098	814098-US-NP	US9160456	14/032352	20150086218	US	13-Oct-15	10-Jan-34	20-Sep-13	Optic Links
\$13186   \$13186-PFPPA   \$1320026-7   \$2287437   FP   \$15-No-33   \$15-No-13   code   \$50-No-34   \$15-No-34   \$15-	814162	814162-US-NP	US9370020	13/895408	20140342748	US	14-Jun-16	27-Sep-33	16-May-13	Communications In A Co-Channel Network
81818   81888-US-PP   US902642   1276972   US   5-May-15   20May-31   20May-16   20May	814186	814186-EP-EPA		13290286.7	EP2874337	EP		15-Nov-33	15-Nov-13	node
B14235   B14235-U-DIV			US9026542		20110276577		5-May-15			Multiple Languages
S14267   S14267-CN-NP										
State			US8750654				10-Jun-14			
S14343	814267	814267-CN-NP		201310723023.0	CN104735639A	CN		24-Dec-33	24-Dec-13	
814350   814350-CN-NP	814343	814343-EP-EPA		14305237.1	EP2911294	EP		20-Feb-34	20-Feb-14	Distortions In A Multi-Band Radio Frequency Signal, Transmitter Apparatus And Network Node Thereof
814359   814359-US-NP   US932119   13/950574   20150032875   US   12-May-15   25-Jul-33   25-Jul-13   Adaptive Polling Of Information From A Device   814363   814365-US-NP   US9223099   14/038714   201510093068   US   29-Dec-15   1-Jul-34   27-Sep-13   Ostical Device   27-Sep-13   314372-EP-EPA   US9329345   14/087714   20151047027   US   34-May-16   25-Sep-33   25-Sep-33   25-Sep-13   Digital Circuit For Stope Filtering   Method Of Reliable Loss Of Firme Alarming In An   11-Dec-13   11-Dec-13   11-Dec-13   11-Dec-13   Ostical Transmission Network   Method Of Reliable Loss Of Firme Alarming In An   Ostical Transmission Network   Method Of Reliable Loss Of Rel	814350	814350-CN-NP		201410119767.6	CN104955014A	CN		27-Mar-34	27-Mar-14	
B   13456   B   13456-US-PP   U9922999   14/039374   20150093058   US   29-De-15   1-Jul-34   27-Sep-13   Optical Pevice	814359	814359-US-CNT		14/689937	20150222519	US		25-Jul-33	17-Apr-15	Adaptive Polling Of Information From A Device
814368   814368-US-NP   U99329345   14/087714   20150147027   US   3-May-16   25-3an-34   22-No-13   Hybrid Wavelength Selective Switch										
814372   814372-P-PPA										
814382   814382-0F-EPA   EP2884681   13306696-9   FP2884681   FP2884481   FP2884481   FP2884481   FP2884481   FP2884481   FP2884481   FP										Digital Circuit For Slope Filtering
814382   814382-FREPA   FP2884681   1336696.9   FP2884681   FR   9-Mar-16   11-Dec-33   11-Dec-13   Optical Transmission Network	814382	814382-DE-EPA	EP2884681	13306696.9	EP2884681	DE	9-Mar-16	11-Dec-33	11-Dec-13	Optical Transmission Network
814382   814382-GB-EPA   P2884681   13306696.9   E2284681   GB   9-Mar-16   11-Dec-33   11-Dec-13   Optical Transmission Network	814382	814382-FR-EPA	EP2884681	13306696.9	EP2884681	FR	9-Mar-16	11-Dec-33	11-Dec-13	Optical Transmission Network
814467 814467-N-P	814382	814382-GB-EPA	EP2884681	13306696.9	EP2884681	GB	9-Mar-16	11-Dec-33	11-Dec-13	
814471 814471-EP-EPA 1336015.5 EP2833260 EP 2-Aug-33 2-Aug-13 Layout Generation, Computer Program Product  Transmitter Method For Transmitting Radio Frequency Signals From Multiple Antenna Elements, Receiver Method, Transmitter Apparatus, Receiver Apparatus, Receiver Apparatus And Network Node Thereof Basis Street Peach 1330655.5 EP2882154 EP 3-Dec-33 3-Dec-13 System And Network Node Thereof Person Person Product Program Produ	814467	814467-IN-NP		2571/DEL/2013	2571/DEL/2013	IN		30-Aug-33	30-Aug-13	
## Transmitter Method For Transmitting Radio Frequency Signals From Multiple Antenna Elements, Receiver Method, Transmitter Apparatus, Receiver Method For Applifer Posign Apparatus, And Method For Applifer Posign Apparatus, Apparatus, And Method For Applifer Posign Apparatus, Apparatus, Apparatus, And Method For Applifer Posign Apparatus,										Method And System For Graphical User Interface
Receiver Method, Transmitter Apparatus, Receiver Method To Enable Data Warehousing Capability in Transmitter Apparatus, Receiver Method To Enable Data Warehousing Capability in Transmitter Apparatus, Receiver Method To Enable Data Warehousing Capability in Transmitter Apparatus, Receiver Method To Enable Data Warehousing Capability in Transmitter Apparatus, Receiver Method To Enable Data Warehousing Capability in Transmitter Apparatus, Receiver Method To Enable Data Warehousing Capability in Transmitter Apparatus, Receiver Method To Enable Data Warehousing Capability in Transmitter Apparatus, Receiver Method For Apparatus And Method To Enable Data Warehousing Capability in Transmitter Apparatus, Receiver Method For Enable Data Warehousing Capability in Transmitter Apparatus And Method For Apparatus And Method For Enable Data Warehousing Capability in Transmitter Apparatus And Method For Data Garph Navigation in A Big Traffic Batas Preparatus And States Preparatus And Nethod For Data Graph Navigation in A Big Traffic Batas Preparatus And Province Preparatus And Nethod For Data Graph Navigation in A Big Traffic Batas Preparatus And Province Preparatus And Nethod For Data Graph Navigation in A Big Traffic Batas Preparatus And Province Preparatus And Province Method For Data Graph Navigation in A Big Traffic Batas Preparatus And Province Preparatus And Province Preparatus And Province	014471	DIFF/I-LI-LIA		1330013.3	E12033200	Li		2-Aug-33	2-Aug-13	Transmitter Method For Transmitting Radio
814520   814520-US-NP   US9286429   14/144695   20150186580   US   15-Mar-16   10-Mar-34   31-Dec-13   System And Method For Amplifier Design   A Method To Enable Data Warehousing Capability In   Electron HIR/HSS   814525-CN-NP   201410171886.6   CN105095224A   CN   25-Apr-34   25-Apr-34   25-Apr-34   Electron HIR/HSS   Electron HIR										Receiver Method, Transmitter Apparatus, Receiver
814525   814525-CN-NP   201410171886.6   CN105095224A   CN   25-Apr-34   25-Apr-14   Telecom HLR/HSS     814534   814534-EP-EPA   13306454.3   EP2866368   EP   22-Oct-33   22-Oct-13   Digital Polarization Demultiplexing     814566   814566-US-NP   14/501217   20160094599   US   30-Sep-34   30-Sep-14   Adaptive Bitrate Streaming     814628   814628-EP-EPA   13306756.1   EP2887287   EP   18-Dec-33   18-Dec-13   EMAIL SYSTEM     814643   814643-EP-EPA   14305306.4   EP2916507   EP   4-Mar-34   4-Mar-14   Communication Network     814644   814644-EP-EPA   14305063.1   EP2897214   EP   17-Jan-34   17-Jan-14   Constructing And Tuning Such A Brite And A Method For Use By A Management Stream   System   Method For Data Graph Navigation In A Big Traffic     814663   814663-EP-EPA   14154920.4   EP2908471   EP   12-Feb-34   12-Feb-14   Dataset Of A Network Of Network A Network of Dataset Of A Network A Network Of System   Method For Data Graph Navigation In A Big Traffic     814663   814663-EP-EPA   14154920.4   EP2908471   EP   12-Feb-34   12-Feb-14   Dataset Of A Network Of Network A Network Of N			US9286429				15-Mar-16			
814534   814534-EP-EPA   13306454.3   EP2863568   EP   22-Oct-33   22-Oct-13   Digital Polarization Demultiplexing										A Method To Enable Data Warehousing Capability In
814566   814566-US-NP   14/501217   20160094599   US   30-Sep-34   30-Sep-14   Adaptive Bitrate Streaming										Digital Polarization Demultiplexing
Method For Digitally Modulating A Signal in A   Communication Network   A Bandwidth Tunable Filter And A Method For Digitally Modulating A Signal in A   Communication Network   A Bandwidth Tunable Filter And A Method For Signal in A   Communication Network   A Bandwidth Tunable Filter And A Method For Signal in A   Communication Network   A Bandwidth Tunable Filter And A Method For Signal in A   Communication Network   A Bandwidth Tunable Filter And A Method For Signal in A   Communication Network   A Bandwidth Tunable Filter And A Method For Signal in A   Communication Network   A Bandwidth Tunable Filter And A Method For Signal in A   Communication Network   A Bandwidth Tunable Filter And A Method For Signal in A   Communication Network   A Bandwidth Tunable Filter And A Method For Signal in A   Communication Network   A Bandwidth Tunable Filter And A Method For Signal in A   Communication Network   A Bandwidth Tunable Filter And A Method For Signal in A   Communication Network   A Bandwidth Tunable Filter And A Method For Signal In A   Communication Network   A Bandwidth Tunable Filter And A Method For Signal In A   Communication Network   A Bandwidth Tunable Filter And A Method For Signal In A   Communication Network   A Bandwidth Tunable Filter And A Method For Signal In A   Communication Network   A Bandwidth Tunable Filter And A Method For Signal In A   Communication Network   A Bandwidth Tunable Filter And A Method For Signal In A   Communication Network   A Bandwidth Tunable Filter And A Method For Signal In A   Communication Network   A Bandwidth Tunable Filter And A Method For Signal In A   Communication Network   A Bandwidth Tunable Filter And A Method For Signal In A   Communication Network   A Bandwidth Tunable Filter And A Method For Signal In A   Communication Network   A Bandwidth Tunable Filter And A Method For Signal In A   Communication Network   A Bandwidth Tunable Filter And A Method For Signal In A   Communication Network   A Bandwidth Tunable Filter And A Method For Signal In A   Commu										Adaptive Bitrate Streaming
A Bandwidth Tunable Filter And A Method For Constructing And Tuning Such A Filter										Method For Digitally Modulating A Signal In A
Management Method For Use By A Management   Method For Use By A Management   Method For Use By A Management   Method For Use By A Management   System   Method For Data Graph Navigation In A Big Traffic   S14663   S14663-EP-EPA   14154920.4   EP2908471   EP   12-Feb-34   12-Feb-14   Dataset Of A Network   Dataset Of A Network   Dataset Of A Network   Method For Use By A Management   Method Fo										A Bandwidth Tunable Filter And A Method For
814663 814663-EP-EPA 14154920.4 EP2908471 EP 12-Feb-34 12-Feb-14 Dataset Of A Network										Management Method For Use By A Management
										Method For Data Graph Navigation In A Big Traffic

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FAMILY	CASE REFERENCE	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPURATION DATE	APPLICATION DATE	HILE
814679	814679-EP-EPA		13306685.2	2882256	EP		9-Dec-33	9-Dec-13	RADIO ACCESS UNIT WITH ANALOGUE CARRIER RECOVERY
814702	814702-CN-NP		201410256842.3	CN105338008A	CN		10-Jun-34	10-Jun-14	Green IoT Device Dynamic Scheduling Scheme And Control
814739	814739-CN-PCT		201480044831.7	CN105453602A	CN		21-Jul-34	21-Jul-14	Communication Techniques for Delivering Information to Users Experiencing High Attenuation
814739	814739-EP-EPA		13306141.6	EP2835990	EP				Communication Techniques
814/39	014739-EP-EPA		13306141.6	EP2633990	Er		9-Aug-33	9-Aug-13	Communication Techniques for Politoring
814739	814739-JP-PCT		2016532258	2016529820	JP		21-Jul-34	21-Jul-14	Communication Techniques for Delivering Information to Users Experiencing High Attenuation
81473 <del>9</del>	814739-KR-PCT		20167005942		KR		21-Jul-34	21-Jul-14	Communication Techniques for Delivering Information to Users Experiencing High Attenuation
814739	814739-TW-NP	TWI549556	103126569		TW	11-Sep-16	4-Aug-34	4-Aug-14	Communication Techniques
814739 814758	814739-US-PCT 814758-EP-EPA		14/910724 13306142.4	20160198438 EP2836029	US EP		21-Jul-34 9-Aug-33	21-Jul-14 9-Aug-13	Communication Techniques for Delivering Information to Users Experiencing High Attenuation Communication Techniques
814758	814758-TW-NP	TWI555429	103126570	LF 2830023	TW	21-Oct-16	4-Aug-34	4-Aug-14	Communication Techniques
814738	014730-144-44	1441333423	103120370		144	21-00-10	4-Aug-34	4-Aug-14	Dispositif et procédé pour la détection daune atteinte
814790	814790-EP-EPA		14306775.9	EP3018507	EP		6-Nov-34	6-Nov-14	à l¿intégrité d¿une ligne de transport d¿un signal optique  Method And Apparatus For Providing Allocating
814807	814807-US-NP		14/053745	20150106820	US		15-Oct-33	15-Oct-13	Resources
814880	814880-US-NP	US9456330	14/448148	20150043545	US	27-Sep-16	4-Oct-34	31-Jul-14	Two-Stage Device-To-Device (D2D) Discovery Procedures
814896	814896-EP-EPA		14305148.0	EP2903165	EP		4-Feb-34	4-Feb-14	Method For Converting An Analogue Signal Into A Digital Signal, Analogue-To-Digital Converter System, Receiver Apparatus And Network Node Thereof
814920	814920-EP-EPA		13306406.3	EP2860888	EP		14-Oct-33	14-Oct-13	Apparatus, Method and Computer Program for an Optical Receiver
814926	814926-CN-NP		201410199215.0	CN105096960A	CN		12-May-34	12-May-14	Wideband Packet Acoustic Echo Cancellation Simultaneous Localization And Mapping Systems And
814933	814933-EP-EPT		14793717.1	EP3060936	EP		22-Oct-34	22-Oct-14	Methods
									Simultaneous Localization And Mapping Systems And
814933	814933-US-NP		14/063735	20150119086	US		25-Oct-33	25-Oct-13	Methods  Apparatus Comprising an Oscillation Blade Fan and
814948	814948-EP-EPA		14306013.5	EP2960521	EP		27-Jun-34	27-Jun-14	Method for Cleaning the Oscillation Blade Fan Multi-Source Correlation Of Network Topology
814952	814952-US-NP	US9215164	14/075294	20150131458	US	15-Dec-15	6-May-34	8-Nov-13	Metrics New H.248 Package Supporting Packet Acoustic Echo
814964	814964-CN-NP		201410208746.1	CN105100524A	CN		16-May-34	16-May-14	Cancellation Control
814968	814968-EP-EPA		14160039.5	EP2919383	EP		14-Mar-34	14-Mar-14	A Radiofrequency Amplifier Device And Configuration Device, Associated Amplification Method And Configuration Method
814990	814990-EP-EPA		13191813.8	EP2871787	EP		6-Nov-33	6-Nov-13	A Calibration Device, Associated Calibration Methods, For A Multi-Path Radio Frequency Antennas System
815044	815044-CN-NP		201410528332.7	CN105577605A	CN		9-Oct-34	9-Oct-14	Bidirectional REST Over Websocket For WebRTC
815088	815088-IN-NP		408/DEL/2014		IN		13-Feb-34	13-Feb-14	Group Alerts Over A Telecommunication Network
815130	815130-US-NP		14/132664	20150172154	US		18-Dec-33	18-Dec-13	Minimizing Symmetrical Latency Impact By Jittler Buffer For TDM CES
815134	815134-CN-NP		201410171659.3	CN105099934A	CN		25-Apr-34	25-Apr-14	Resource Reservation Based Scheduling Mechanisms For ATCA Based Products
	815157-EP-EPA		14306262.8	EP2982869	EP		8-Aug-34	8-Aug-14	Magnetohydrodynamic Device Dynamic Allocation Of Capacity Licenses For A Radio
815184	815184-EP-EPA		14305596.0	EP2938114	EP		23-Apr-34	23-Apr-14	Access Network
815189	815189-EP-EPA		14290052.1	EP2913892	EP		27-Feb-34	27-Feb-14	An Antenna, A Multiple Antenna Array And A Method Of Radiating A Radio-Frequency Signal
815206	815206-US-NP	US9277527	14/197377	20150257123	US	1-Mar-16	27-May-34	5-Mar-14	Wireless Access Node Calibration Capability For Improved Mobile Wireless Device Location Accuracy
									Allocation Of Communication Resources For Device To Device Wireless Communication
815212	815212-CN-PCT		201480059538.8	CN105684544A	CN		26-Sep-34	26-Sep-14	Allocation Of Communication Resources For Device
815212	815212-EP-EPA		13306485.7	EP2869657	EP		30-Oct-33	30-Oct-13	To Device Wireless Communication Allocation Of Communication Resources For Device
815212	815212-JP-PCT		2016527185	2016535501	JP		26-Sep-34	26-Sep-14	To Device Wireless Communication
815212	815212-TW-NP	TWI552631	103137009		TW	1-Oct-16	27-Oct-34	27-Oct-14	Allocation Of Communication Resources For Device To Device Wireless Communication
									Allocation Of Communication Resources For Device To Device Wireless Communication
815212	815212-US-PCT		15/032443	20160270135	US		26-Sep-34	26-Sep-14	Process for guiding in a building a user connected
815215	815215-EP-EPA		14305633.1	EP2940426	EP		28-Apr-34	28-Apr-14	through at least one mobile terminal to a network
815228 815244	815228-US-NP 815244-EP-EPA	US9506761	14/152437 14305611.7	20150198447 EP2938173	US EP	29-Nov-16	10-Jan-34 25-Apr-34	10-Jan-14 25-Apr-14	Method And Apparatus For Indoor Position Tagging Electronics Enclosure Cooling
815247	815247-CN-NP		201410209106.2	CN105100018A	CN		16-May-34	16-May-14	SIP/SDP Support For Packet-Based Acoustic Echo Cancellation
815248	815248-CN-NP		201410469518.X	CN105490986A	CN		15-Sep-34	15-Sep-14	To Open IMS Core Capability Via RESTful Method
									Method For Encrypting Or Decrypting A 3D Object
815276	815276-US-PCT		15/117881	20170169606	US		9-Feb-35	9-Feb-15	

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815276	815276-EP-EPA		14305177.9	EP2905923	EP		11-Feb-34	11-Feb-14	Method For Encrypting Or Decrypting A 3D Object
815319	815319-US-NP	US9241425	14/319619	20150382510	US	19-Jan-16	15-Jul-34	30-Jun-14	Angled Card Cage For Improved Cooling Airflow In Front To Back Airflow Products
815331	815331-EP-EPA		14305234.8		EP		20-Feb-34	20-Feb-14	Low Consumption Duty Cycle Mode For Wireless Base Stations
815338	815338-CN-NP		201410743023.1	CN105656869A	CN		8-Dec-34	8-Dec-14	Method To Establish Steam-Based Multimedia Session With Multiple Devices
815352	815352-EP-EPA		14305441.9	EP2924888	EP		27-Mar-34	27-Mar-14	RF PATH MANAGEMENT FOR ENERGY EFFICIENT CELLULAR NEWTWORKS
									Dual Profile For Arp And Dsp Hosted In The Same Ocs
815357	815357-CN-NP		201410306769.6	CN105338505A	CN		30-Jun-34	30-Jun-14	To Support Eu Roaming Regulation Iii Data Matching Based In Hash Table Representations
815379	815379-US-NP		14/189119	20150242429	US		25-Feb-34	25-Feb-14	Of Hash Tables
815383	815383-US-NP	US9356861	14/215171	20150263947	US	31-May-16	24-Jun-34	17-Mar-14	Secondary Lookup For Scaling Datapath Architecture Beyond Integrated Hardware Capacity
		033330801				31-Way-10			Packet Switching Signaling-Independent Conference
815396 815402	815396-CN-NP 815402-EP-EPA		201410613706.5 14360005.4	CN105553678A EP2913893	CN EP		4-Nov-34 18-Mar-34	4-Nov-14 18-Mar-14	Router Antenna Element
815413	815413-CN-NP		201410347989.3	CN105450534A	CN		21-Jul-34	21-Jul-14	Ud LDAP And Ud SOAP Collaboration For UDC Load Distribution
815427	815427-CN-NP		201410645731.1	CN105656785A	CN		12-Nov-34	12-Nov-14	Signaling-Independent Solution Of Packet-Based Acoustic Echo Cancellation
815429	815429-EP-EPA		14305130.8	EP2836032	EP		30-Jan-34	30-Jan-14	Providing A Coverage Enhanced Mode Of Operation Within A Wireless Network
815451	815451-EP-EPA		14306249.5	EP2983460	EP		7-Aug-34	7-Aug-14	Apparatus, And Method For Cooling An Electronics Chassis
815453	815453-EP-EPA		14290362.4	EP3029560	EP		2-Dec-34	2-Dec-14	A User Interface Interaction System And Method
815473	815473-EP-EPA		14305112.6	EP2903337	EP		29-Jan-34	29-Jan-14	Wireless Telecommunication Network Nodes And Methods
			14305386.6	EP2922315	EP			19-Mar-14	A device, a method and a user equipment providing
815484	815484-EP-EPA			EP2922315			19-Mar-34		direction information Establishing Secure Calls Between Communication
815513	815513-IN-NP		2131/DEL/2014		IN		28-Jul-34	28-Jul-14	Devices Unified Loading Factor Model For Load Balancing
815532	815532-CN-NP		201410443952.0	CN105450537A	CN		2-Sep-34	2-Sep-14	And Overload Control
815553	815553-DE-EPA	EP2903364	14305123.3	EP2903364	DE	3-May-17	30-Jan-34	30-Jan-14	Prioritising Requests For Communication Resources For Device To Device Wireless Communication
815553	815553-FR-EPA	EP2903364	14305123.3	EP2903364	FR	3-May-17	30-Jan-34	30-Jan-14	Prioritising Requests For Communication Resources For Device To Device Wireless Communication
815553	815553-GB-EPA	EP2903364	14305123.3	EP2903364	GB	3-May-17	30-Jan-34	30-Jan-14	Prioritising Requests For Communication Resources For Device To Device Wireless Communication
815556	815556-US-NP	LF 2503504	14/261519	20150312771	US	J-Ividy-17	25-Apr-34	25-Apr-14	Small Cell Deployment Systems And Methods
815567	815567-EP-EPA		14290219.6	EP2975789	EP		18-Jul-34	18-Jul-14	Optical Transmitter
815599	815599-CN-NP		201410305958.1	CN105338465A	CN		30-Jun-34	30-Jun-14	Using Temporary Access Number To Set Many Mobile Devices Operating Mode Simultaneously
815727	815727-EP-EPA		14290056.2	EP2916385	EP		7-Mar-34	7-Mar-14	Ea Polymer Based Antenna Phase Control METHOD, NETWORK DEVICE, SYSTEM AND
815734	815734-EP-EPA		14305862.6	EP2953314	EP		6-Jun-34	6-Jun-14	COMPUTER-READABLE MEDIUM FOR ESTIMATING A COMMUNICATION SERVICE Providing Protection To A Service In A
815759	815759-DE-EPA	EP2975809	14306171.1	EP2975809	DE	15-Feb-17	18-Jul-34	18-Jul-14	Communication Network Providing Protection To A Service In A
815759	815759-ES-EPA	EP2975809	14306171.1	EP2975809	ES	15-Feb-17	18-Jul-34	18-Jul-14	Communication Network
815759	815759-FR-EPA	EP2975809	14306171.1	EP2975809	FR	15-Feb-17	18-Jul-34	18-Jul-14	Providing Protection To A Service In A Communication Network
815759	815759-GB-EPA	EP2975809	14306171.1	EP2975809	GB	15-Feb-17	18-Jul-34	18-Jul-14	Providing Protection To A Service In A Communication Network
815759	815759-IT-EPA	EP2975809	14306171.1	EP2975809	п	15-Feb-17	18-Jul-34	18-Jul-14	Providing Protection To A Service In A Communication Network
815785	815785-EP-EPA		14306349.3	EP2993855	EP		2-Sep-34	2-Sep-14	Method of enhanced FEC in video routing conference system
815804	815804-CN-NP		201410508738.9	CN105528343A	CN		28-Sep-34	28-Sep-14	Lightweight Directory Access Protocol Combined Request/Result Control
815814	815814-EP-EPA		14290202.2	EP2975919	EP		14-Jul-34	14-Jul-14	A Cabinet For Housing Electric And/Or Electronic Components
0.0017	22.2.2.7								MULTILEVEL ENCODING FOR IMPROVING MEMORY
815818	815818-EP-EPA		14183086.9	EP2991231	EP		1-Sep-34	1-Sep-14	EFFICIENCY IN MULTISTAGE DECODING
815821	815821-US-NP		14/562050	20150236966	US		5-Dec-34	5-Dec-14	Control Of Congestion Window Size Of An Information Transmission Connection
815912	815912-EP-EPA		14306060.6	EP2963847	EP		30-Jun-34	30-Jun-14	Method Of Optical Data Transmission Using Hybrid Phase Modulation
815915	815915-US-NP	US9167079	14/444591		US	20-Oct-15	28-Jul-34	28-Jul-14	Subscriber Cable Pair Identification
									Method For Manufacturing An Optical Transmitter By Growth Of Structures On A Thin Inp Buffer Bonded
815945	815945-EP-EPA		14306985.4	EP3032661	EP		9-Dec-34	9-Dec-14	Onto A Silicon Based Substrate
815961	815961-EP-EPA		14172054.0	EP2955845	EP		12-Jun-34	12-Jun-14	Switch Mode Power Amplifier Architecture Comprising A Polyharmonic Reconstruction Filter
815985	815985-EP-EPA		14306611.6	EP3010181	EP		13-Oct-34	13-Oct-14	MULTIPLE TARIFF SWITCHES MANAGEMENT FOR ADVICE OF CHARGE
816030 816031	816030-EP-EPA 816031-EP-EPA		14306527.4 14306526.6	EP3003000 EP3002457	EP EP		30-Sep-34 30-Sep-34	30-Sep-14 30-Sep-14	A Cooler Device AN ENERGY HARVERSTING TECHNIQUE
816032	816032-EP-EPA		15305072.9	EP3048643	EP		23-Jan-35	23-Jan-15	Device and Method
	816038-EP-EPA		14306529.0	EP3002699	EP		30-Sep-34	30-Sep-14	A Method For Controlling The Execution Of An Application In A Virtual Computer Environment
816038	DIGGSD EF EFA								
816038 816045	816045-CN-NP		201410835826.X	CN105791000A	CN		26-Dec-34	26-Dec-14	Cloud Based Auto-Configuration For Interdepedent Applications

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816099	816099-EP-EPA		14306610.8	EP3010180	EP		13-Oct-34	13-Oct-14	VOLUME BASED MANAGEMENT OF MULTIPLE TARIFF SWITCHES
816170	816170-CN-NP		201410447377.1	CN105391876A	CN		3-Sep-34	3-Sep-14	Background Music Service In Core Network Of Telecommunications Systems
							'		Low Complexity User Equipment and Their Operation
816172	816172-EP-EPA		14305682.8	EP2942986	EP		9-May-34	9-May-14	Within Wireless Communication Networks  Method Supporting Centralized Mobile
816173	816173-CN-NP		201410460877.9	CN105472728A	CN		11-Sep-34	11-Sep-14	Position/Location Centers
									Method For Managing Access To An Access Node, Device, Network,
816200	816200-EP-EPA		14305680.2 PCT/EP2016/05622	EP2943037	EP		9-May-34	9-May-14	Node And Computer Program Product  A method for generation of a pulse pattern, and a
816254	816254-WO-PCT		7	2016156105	wo		22-Mar-36	22-Mar-16	transmitter therefor  A method for generation of a pulse pattern, and a
816254	816254-EP-EPA		15305459.8	EP3076547	EP		30-Mar-35	30-Mar-15	transmitter therefor
									Method Of Compensating Chromatic Dispersion And Nonlinear Impairments Of An Optical Transmission
816293	816293-EP-EPA		14306469.9	EP3001583	EP		24-Sep-34	24-Sep-14	Path Using Digital Backpropagation
816408	816408-EP-EPA		14306858.3	EP3024195	EP		24-Nov-34	24-Nov-14	Method And Devices For Multimedia Conferencing
816497	816497-EP-EPA		14307101.7	EP3035564	EP		19-Dec-34	19-Dec-14	Receiver, Method For A Receiver And Computer Program
816526	816526-EP-EPA		14306263.6	EP2983441	EP		8-Aug-34	8-Aug-14	Device-to-Device Communication
816580	816580-EP-EPA		15153491.4	EP3051722	EP		2-Feb-35	2-Feb-15	An Optical Regenerator, An Optical Transceiver, And Associated Optical Regeneration System
816588	816588-EP-EPA		14180073.0	EP2983397	EP		6-Aug-34	6-Aug-14	Selection Of Ues For Signalling Based MBMS MDT Log Retrieval
816629	816629-EP-EPA		14306256.0	EP2983387	EP		7-Aug-34	7-Aug-14	Facilitating Direct User Equipment to User Equipment Transmission
							J		Systems And Methods For Localizing Audio Streams
816681	816681-US-CNT		15/188046	20160302009	US		30-Sep-34	21-Jun-16	Via Acoustic Large Scale Speaker Arrays
									Apparatuses, Methods and Computer Programs
									Suitable for Providing Information Related to a Quality of One or More Wireless Fronthaul Links
816763	816763-EP-EPA		15305101.6	EP3051861	EP		29-Jan-35	29-Jan-15	between a Base Band Unit and One or More Radio Units of a Base Station Transceiver
									Input Module And Central Control Unit For A
816780	816780-EP-EPA		14306946.6	EP3029953	EP		4-Dec-34	4-Dec-14	Switching System And Switching System Thereof A Solution To Support Presence Reporting Area For
816791	816791-CN-NP		201510005011.3	CN105827569A	CN		5-Jan-35	5-Jan-15	IMS Over LTE DEVICE FOR ALIGNING AND FASTENING AN OPTICAL
015025	045025 50 504		15205007.5	E02042400			5 to 25	6.100.15	ELEMENT COUPLED TO AN OPTOELECTRONIC
816825	816825-EP-EPA		15305007.5	EP3043198	EP		6-Jan-35	6-Jan-15	COMPONENT
816838	816838-EP-EPA		14307030.8	EP3035758	EP		15-Dec-34	15-Dec-14	Coexistence Of Cellular And Non-Cellular Systems  Methods, Server And Client For Multi-part Interactive
816847	816847-EP-EPA		15305391.3		EP		17-Mar-35	17-Mar-15	Content Delivery Optical Device With Integrated Reflector(s)
816858	816858-EP-EPA		14307007.6	EP3032303	EP		11-Dec-34	11-Dec-14	Comprising A Loop Reflector Integrating A Mach- Zehnder Interferometer
816865	816865-EP-EPA		15305252.7	EP3059803	EP		19-Feb-35	19-Feb-15	An Antenna Element, An Interconnect, A Method And An Antenna Array
816901	816901-EP-EPA		14306827.8	EP3024147	EP		18-Nov-34	18-Nov-14	Parallelization Of Scalable Delta Sigma Modulator With Reset Function
							20.101.01		
									Apparatus, Optical Receiver, Method And Computer Program For Processing A First And A Second
816933	816933-EP-EPA		14306613.2	EP3010166	EP		13-Oct-34	13-Oct-14	Electrical Signal Based On A Polarization Multiplexed Signal Comprising Two Polarizations
816946	816946-EP-EPA		14306664.5	EP3010165	EP		17-Oct-34	17-Oct-14	Methods For Designing Receiver And Transmitter Modules
									Stokes-Vector-Based Transmission And Detection Of
816962 816996	816962-US-NP 816996-EP-EPA	US9641279	14/596912 15305605.6	20160204894 EP3086202	US EP	2-May-17	19-Mar-35 22-Apr-35	14-Jan-15 22-Apr-15	Optical Polarization-Division-Multiplexed Signals Thermal Interface
									METHOD TO MANAGE THE ACCESS RIGHTS ASSOCIATED TO A DATAFLOW SYSTEM AND
817006	817006-EP-EPA		15305804.5	EP3098746	EP		28-May-35	28-May-15	COMPUTER-READABLE MEDIUM  Method And Apparatus For Making An Optical Fiber
817013	817013-US-NP		14/670816	20160282569	US		27-Mar-35	27-Mar-15	Array
									METHOD, USER EQUIPMENT, BASE STATION AND
817145	817145-EP-EPA		14306786.6	EP3018959	EP		7-Nov-34	7-Nov-14	COMPUTER-READABLE MEDIUM FOR TRANSMITTING A BUFFER STATUS REPORT MESSAGE
817157	817157-EP-EPA		14192113.0	EP3018964	EP		6-Nov-34	6-Nov-14	Broadcast At MBSFN Granularity In MBMS Distributed Architecture
									Method For Improving Signal Transmission Quality In
817161 817163	817161-EP-EPA 817163-EP-EPA		15290154.2 14306808.8	EP3104537 EP3021354	EP EP		10-Jun-35 14-Nov-34	10-Jun-15 14-Nov-14	An Optical Network And Associated Equipment A Fluidic Pump
817173	817173-EP-EPA		15305248.5	EP3059972	EP		19-Feb-35	19-Feb-15	Methods And Devices For Transmission Of Interactive Content
01/1/3	TOTAL DA			_, 0000012			15-105-35	15-165-15	A Method, An Apparatus And A Computer Program
817182	817182-EP-EPA		15305631.2	EP3086496	EP		24-Apr-35	24-Apr-15	For Decoding A Receive Signal Carrying Encoded Data Values
817191	817191-CN-NP		201510128748.4	CN106162382A	CN		23-Mar-35	23-Mar-15	Method For Providing A Bidrectional Optical Timing Channel Over OTN
817244	817244-EP-EPA		15305083.6	EP3051438	EP		27-Jan-35	27-Jan-15	Method And Device for Transmission Of Web Content
									AN OPTICAL NODE AND ASSOCIATED METHOD FOR
817272	817272-EP-EPA		15305138.8	EP3051724	EP		30-Jan-35	30-Jan-15	SIMULTANEOUS RECEIVING OF OPTICAL SIGNALS
01/2/2									A Method And System For Scaling,

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817379 8173  817426 8174  817476 817483 8174  817483 817510 8175  817536 8175  817562 8175  817563 8175	7379-EP-EPA 7379-EP-EPA 7426-EP-EPA 7476-US-NP 7483-EP-EPA 7483-WO-PCT 7510-EP-EPA	US9405070	15305001.8 15157715.2 14307102.5 14/713284	EP3041193 EP3035648 EP3035623	EP EP		5-Jan-35 5-Mar-35	5-Jan-15 5-Mar-15	Method And Device For Transmission Of Media Content Determining Dynamic User Attributes Using Dynamic Host Configuration Protocol
817426 8174 817476 8174 817483 8174 817483 8174 817510 8175 817536 8175 817562 8175 817563 8175	7426-EP-EPA 7476-US-NP 7483-EP-EPA 7483-WO-PCT	US9405070	14307102.5		EP		5-Mar-35	5-Mar-15	
817476 8177 817483 8174 817483 8174 817510 8175 817536 8175 817562 8175 817563 8175	7476-US-NP 7483-EP-EPA 7483-WO-PCT	US9405070		FP3035623			1		
817483 8174 817483 8174 817510 8175 817536 8175 817562 8175 817563 8175	7483-EP-EPA 7483-WO-PCT	US9405070	14/713284		EP		19-Dec-34	19-Dec-14	Signal Transformation Circuitry, Method For A Signal Transformation Circuitry And Computer Program
817483 8174 817510 8175 817536 8175 817562 8175 817563 8175	7483-WO-PCT		17/11/204		US	2-Aug-16	15-May-35	15-May-15	Optical Buffer With A Signal-Switching Capability
817510 8175 817536 8175 817562 8175 817563 8175			15306290.6 PCT/EP2016/06892	EP3131347	EP		13-Aug-35	13-Aug-15	Energy-Efficient Scheduling Energy-Efficient Scheduling
817536 8175 817562 8175 817563 8175	7510-EP-EPA		1	2017025525	wo		9-Aug-36	9-Aug-16	Carrier Phase Estimation At A Coherent Optical
817562 8175 817563 8175			15305959.7	EP3110043	EP		22-Jun-35	22-Jun-15	Receiver Method For Monitoring A User Equipment Specific
817563 8175	7536-EP-EPA		15305136.2	EP3051738	EP		30-Jan-35	30-Jan-15	Search Space, User Equipment, A Node And A Computer Program Product
	7562-EP-EPA		15305429.1	EP3073776	EP		24-Mar-35	24-Mar-15	Predicting the State of Wireless Links Based on Radio Maps
817662 8170	7563-EP-EPA		15305428.3	EP3073460	EP		24-Mar-35	24-Mar-15	Predicting The Trajectory Of Vehicular Users Based On Road Maps And Mobility History
l	7662-EP-EPA		15305630.4	EP3086525	EP		24-Apr-35	24-Apr-15	Apparatus And Metod For Regenerating Symbols Of a Modulation Scheme  Method For Optimizing An Optical Network By
817708 8177	7708-EP-EPA		15305706.2	EP3091698	EP		7-May-35	7-May-15	Analysis Of Statistical Values Associated To Parameters
	7727-EP-EPA		15161973.1	EP3076741	EP		31-Mar-35	31-Mar-15	Method For Managing Routing In A Content Distribution Network In A Mobile Network
	7799-EP-EPA		15305372.3	EP3067471	EP		12-Mar-35	12-Mar-15	Method For Modifying Thermal Performance And A Cooling System
									A Cooling System, A Method For Cooling And An Electronic Apparatus
817806 8178	7806-EP-EPA		15305371.5	EP3068203	EP		12-Mar-35	12-Mar-15	
818229 8182	8229-CN-NP		201510843808.0	CN106803819A	CN		26-Nov-35	26-Nov-15	A Technique Of Simultaneous Signature Detecting And Information Transmitting System
010345	2245 52 524		45705754.4	FD3430543			1.1	1.415	An Adaptive Antenna Array and an Apparatus and
	8246-EP-EPA 8307-CN-NP		15306264.1 201510848699.1	EP3128612	EP CN		4-Aug-35 27-Nov-35	4-Aug-15 27-Nov-15	Method for Feeding Signals to an Adaptive Array  Devices And Methods Related To RF Connection
010307	5507 SIV III		201310040033.1		O.		27 1107 33	27 1107 13	Methods, Apparatuses And Systems For Enhancing
	8422-US-NP		14/826696	20170048812	US		14-Aug-35	14-Aug-15	Measurement Gap In Asynchronous Networks  Verfahren und Steuereinrichtung für einen
94935 9493	935-US-NP	US6092106	08/991674		US	18-Jul-00	16-Dec-17	16-Dec-97	Abholdienst von Daten
Aakalu 2-2 (NG) Aaka	kalu 2-2 (NG)-US-NP	US5915466	09/008726		US	29-Jun-99	19-Jan-18	19-Jan-98	Heat Dissipating Structure For An Electrical Assembly
Aakalu 3-1-6-3 (NG) Aaka	kalu 3-1-6-3 (NG)-US-NP	US5953207	09/109255		US	14-Sep-99	30-Jun-18	30-Jun-98	Thermally Conductive Enclosure For A Battery Protective Shutter Assembly For A Forced Air Cooling
Aakalu 4-1 (NG) Aaka	kalu 4-1 (NG)-US-NP	US6042348	09/075479		US	28-Mar-00	11-May-18	11-May-98	System Combined Solar Shield And Antenna Ground Plane
Aakalu 6-7-1 (NG) Aaka	kalu 6-7-1 (NG)-US-NP	US5986618	09/137906		US	16-Nov-99	21-Aug-18	21-Aug-98	Structure For An Electrical Assembly
Abde	delgadir 7-6-34-11 (MA)-US-	US6008475	09/158593		US	28-Dec-99	22-Sep-18	22-Sep-98	Heat Providing Structure For An Electrical Assembly Alignment Mark Having A Protective Oxide Layer For
Abdelgadir 7-6-34-11 (MA) NP			09/615122		US	23-Sep-03	13-Jul-20	13-Jul-00	Use With Shallow Trench Isolation  Method And Apparatus For Designing Various
Abed 1-1-1-1-6 (MI) Abed	ed 2-2-3-2-12-7 (MI)-US-DIV	US7680495	11/118728	20050202811	US	16-Mar-10	25-May-25	29-Apr-05	Network Configuration Scenarios
		US5987203 US5930425	08/947598 09/063505		US US	16-Nov-99 27-Jul-99	9-Oct-17 21-Apr-18	9-Oct-97 21-Apr-98	Distribution Module For Optical Couplings
, ,	. ,								High Density Coupling Module Method And Apparatus For Determination Of A Power Level In A RF Booster ForWireless
Aboukhalil 2-3-1 (JC) Abou	oukhalil 2-3-1 (JC)-US-NP	US6175748	09/020555		US	16-Jan-01	9-Feb-18	9-Feb-98	Communications Low Voltage Cutoff Circuit With Short Circuit Detection Capability And Method Of Operation
	oyoussef 2-2 (A)-US-CNT ramov 1-4-7-15-31 (AA)-US-	US6339526	09/354821		US	15-Jan-02	1-Jul-18	16-Jul-99	Thereof  Method And Apparatus For Monitoring Multi-
Abramov 1-4-7-15-31 (AA) NP		US6078709	08/968554		US	20-Jun-00	12-Nov-17	12-Nov-97	Wavelength Optical Systems
Abramovici 14-1-3 (M) Abra	ramovici 14-1-3 (M)-US-NP	US6292916	09/209405		US	18-Sep-01	10-Dec-18	10-Dec-98	Parallel Backtracing For Satisfiability On Reconfigurable Hardware
		US6442732	09/295534		US	27-Aug-02	21-Apr-19	21-Apr-99	Virtual Logic System For Solving Satisfiability Problems Using Reconfigurable Hardware
Abramovici 2-2-6-20 (GM) NP		US6389298	09/228266		US	14-May-02	11-Jan-19	11-Jan-99	Signaling To Support Wireless Service Redirection
Abramovici 2-2-6-20 (GM) CNT	ramovicí 3-6-13-30 (GM)-US- T	US6941142	10/095625	20020090916	US	6-Sep-05	8-Jun-20	12-Mar-02	Wireless Service Redirection Signaling Based On Protocol Revision
Abreu 1-13 (E) Abre	reu 1-13 (E)-US-NP	US5861568	09/050153		US	19-Jan-99	30-Mar-18	30-Mar-98	Generation Of Wave Functions By Storage Of Parameters For Piecewise Linear Approximations
	, ,	US7206584	10/787149	20050192015	US	17-Apr-07	21-Aug-24	27-Feb-04	Methods Of Determining Cells For Deletion In Network Design
	-	US7639988	11/072439	20060199545	US	29-Dec-09	10-Jul-26	7-Mar-05	Methods Of Simplifying Network Simulation
	-	US7181248	11/200937		US	20-Feb-07	17-Aug-25	10-Aug-05	Design And Construction Of Wireless Systems
									Palladium Surface Coatings Suitable For Wirebonding
		US6139977	09/095237		US	31-Oct-00	10-Jun-18	10-Jun-98	And Process For Forming Palladium Surface Coatings Improved Hydrodynamically Controlled Hull Cell And
			09/251547		US	31-Oct-00	17-Feb-19	17-Feb-99	Method Of Use Electroplating Solution For Electroplating Lead And
		US6267863	09/246001		US	31-Jul-01	5-Feb-19	5-Feb-99	Lead /Tin Alloys
		US6126807	09/302360		US	3-Oct-00	30-Apr-19	30-Apr-99	Process For Making Sodium Gold Sulfite Solution Process For Making Gold Salt For Use In
		US6423202 US6241870	09/606957 09/306033		US	23-Jul-02 5-Jun-01	30-Apr-19 6-May-19	30-Jun-00 6-May-99	Electroplating Process  Rhodium Sulfate Compounds and Rhodium Plating

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FAMILY	Case Reference	GRANT NUMBER	application Number	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	TITLE
Abys 44-8 (JA)	Abys 44-8 (JA)-DE-EPA	EP1086807	00307862.3	EP1086807	DE	10-Nov-04	11-Sep-20	11-Sep-00	Metal Article Coated With Multilayer Surface Finish For Porosity Reduction
	,								Metal Article Coated With Multilayer Surface Finish
Abys 44-8 (JA)	Abys 44-8 (JA)-GB-EPA	EP1086807	00307862.3	EP1086807	GB	10-Nov-04	11-Sep-20	11-Sep-00	For Porosity Reduction  Metal Article Coated With Multilayer Surface Finish
Abys 44-8 (JA)	Abys 44-8 (JA)-HK-NP	HK1032562	01103046.7	1032562A	HK	18-Mar-05	11-Sep-20	11-Sep-00	For Porosity Reduction Metal Article Coated With Multilayer Surface Finish
Abys 44-8 (JA)	Abys 44-8 (JA)-KR-NP	KR783847	20000055641		KR	3-Dec-07	22-Sep-20	22-Sep-00	For Porosity Reduction  Metal Article Coated With Multilayer Surface Finish
Abys 44-8 (JA)	Abys 44-8 (JA)-US-NP	US6335107	09/404059		US	1-Jan-02	23-Sep-19	23-Sep-99	For Porosity Reduction Ultra-Thin Composite Surface Finish For Electronic
Abys 49-2-11-1-3 (JA)	Abys 49-2-11-1-3 (JA)-US-NP	US6452258	09/707042		US	17-Sep-02	6-Nov-20	6-Nov-00	Packaging
Abys 53-1-3-7-7 (JA)	Abys 53-1-3-7-7 (JA)-US-NP	US6542232	09/887826		US	1-Apr-03	22-Jun-21	22-Jun-01	Method Of Determining The Quality Of Hard Gold
Abys 55-1-2-9 (JA)	Abys 55-1-2-9 (JA)-US-NP	US6730209	10/081326		US	4-May-04	22-Feb-22	22-Feb-02	Solder Electroplating Bath Including Brighteners Having Reduced Volatility
Acharya 16-5-5-6 (S)	Acharya 16-5-5-6 (S)-JP-NP	JP4917742	2004135595	2004336777	JP	3-Feb-12	30-Apr-24	30-Apr-04	System And Method For Multi-Protocol Label Switching Network Tuning
Acharya 16-5-5-6 (S)	Acharya 16-5-5-6 (S)-US-NP	US7872976	10/428464	20040218595	US	18-Jan-11	28-Nov-27	2-May-03	System And Method For Multi-Protocol Label Switching Network Tuning
Action you 10 3 3 0 (5)	Picital ya 10 5 5 0 (5) 05 111	03/0/23/0	10/120101	20040210333	03	10 3411 11	20 1104 27	2 May 05	
Acharya 17-6-6-7 (S)	Acharya 17-6-6-7 (S)-US-NP	US7864690	10/637289	20050030901	US	4-Jan-11	9-May-28	8-Aug-03	System And Method For Rerouting Circuits On SONET And SDH Rings Without Disrupting Service
Acharya 19-7-7-8 (S)	Acharya 19-7-7-8 (S)-US-NP	US7518990	10/745881	20050147081	US	14-Apr-09	3-Jan-27	26-Dec-03	Route Determination Method And Apparatus For Virtually-Concatenated Data Traffic
Acharya 21-8-8-10 (S)	Acharya 21-8-8-10 (S)-US-NP	US8289859	10/853422	20050265251	US	16-Oct-12	2-Jun-29	25-May-04	Link Delay Determination Using Virtual Concatenation
Acharya 22-9-11 (S)	Acharya 22-9-11 (S)-US-NP	U57408881	10/949638	20060067235	US	5-Aug-08	9-Jun-26	24-Sep-04	Differential Delay Constrained Routing For Virtually- Concatenated Data Traffic
	,								Packet-Aware Transport Architecture For Enhanced
Acharya 27-11 (S)	Acharya 27-11 (S)-US-NP	US7675899	11/290873	20070121658	US	9-Mar-10	7-Jan-29	30-Nov-05	Data Volume Computer Implemented Method And Apparatus For
Acharya 3-6-8 (S)	Acharya 3-6-8 (S)-DE-EPA	EP0998097	99306683.6	EP0998097	DE	25-May-05	23-Aug-19	23-Aug-99	Providing A Logical Point Of Access To One Or More Files
,	,					,		-	Computer Implemented Method And Apparatus For Providing A Logical Point Of Access To One Or More
Acharya 3-6-8 (S)	Acharya 3-6-8 (S)-FR-EPA	EP0998097	99306683.6	EP0998097	FR	25-May-05	23-Aug-19	23-Aug-99	Files
									Computer Implemented Method And Apparatus For Providing A Logical Point Of Access To One Or More
Acharya 3-6-8 (S)	Acharya 3-6-8 (S)-GB-EPA	EP0998097	99306683.6	EP0998097	GB	25-May-05	23-Aug-19	23-Aug-99	Files Computer Implemented Method And Apparatus For
Acharya 3-6-8 (S)	Acharya 3-6-8 (S)-US-NP	US7047483	09/328607		US	16-May-06	9-Jun-19	9-Jun-99	Providing A Logical Point Of Access To One Or More Files
Acharya 6-11-7 (S)	Acharya 6-11-7 (S)-US-NP	US6353832	09/310079		US	5-Mar-02	11-May-19	11-May-99	Selectivity Estimation In Spatial Databases Adaptive Scheduling Of Data Delivery In A Central
Acharya 8-15-3 (S)	Acharya 18-18-18 (S)-US-CNT	US7058946	10/659757	20040083477	US	6-Jun-06	23-Jun-19	10-Sep-03	Server A system And Method For Scheduling Data Delivery
Acharya 9-16-4 (S)	Acharya 9-16-4 (S)-US-NP	US6502062	09/337865		US	31-Dec-02	21-Jun-19	21-Jun-99	Using Flow And Stretch Algorithms
Adams 1 (RA)	Adams 1 (RA)-US-NP	US6826268	10/119517	20020159576	US	30-Nov-04	10-Apr-22	10-Apr-02	Method For Overload In A Telecommunications Network And Apparatus Therefor
. ,				20020135370				·	Optical Add-Drop Module With Low Loss And High
Adams 13-5-3-10 (LE)	Adams 13-5-3-10 (LE)-JP-NP	JP3745941	2000177065		JP	2-Dec-05	13-Jun-20	13-Jun-00	Isolation Optical Add-Drop Module With Low Loss And High
Adams 13-5-3-10 (LE)	Adams 13-5-3-10 (LE)-US-NP	US6577415	09/333407		US	10-Jun-03	15-Jun-19	15-Jun-99	Isolation Improved Interface Between Channel Units Of
Adams 1-3-9 (RL)	Adams 1-3-9 (RL)-US-NP Adams 15-20-8-13-11-15 (LE)-US-	US6788678	09/454930		US	7-Sep-04	3-Dec-19	3-Dec-99	Multiple Local Exchange Carriers
Adams 4-19-7-9-8-14 (LE)	DIV Adams 16-21-9-14-12-16 (LE)-US-	US6166837	09/444471		US	26-Dec-00	17-Oct-17	22-Nov-99	Laser Transmitter For Reduced SBS
Adams 4-19-7-9-8-14 (LE)	DIV	US6331908	09/444470		US	18-Dec-01	17-Oct-17	22-Nov-99	Laser Transmitter For Reduced SBS
									Single Port Random Access Memory Equipped With A Relief Module To Operate As A Dual Port Shared
Aden 1 (CM)	Aden 1 (CM)-US-NP Adleman 1-1-5-2-2-2-1-2 (R)-US-	US6771556	10/097583		US	3-Aug-04	13-Mar-22	13-Mar-02	Memory Method For Automatically Provisioning A Network
Adleman 1-1-5-2-2-1-2 (R)	NP	US6920288	10/093847		US	19-Jul-05	11-Dec-23	8-Mar-02	Element Method And Apparatus For Restricting Call
Agarwal 11-4-1 (A)	Agarwal 11-4-1 (A)-US-NP	US6920326	09/845488	20020068578	US	19-Jul-05	12-Feb-23	30-Apr-01	Terminations When A Mobile Unit Is Roaming
									Method And System For Increasing The Capacity And
Agarwal 1-5-4 (A)	Agarwal 1-5-4 (A)-US-NP	US7123835	10/351948	20040146297	US	17-Oct-06	12-Nov-24	27-Jan-03	Spectral Efficiency Of Optical Transmission Using PSTN To Convey Participants IP Addresses For
AGCS 100 AGCS 103	AGCS 100 ()-US-NP AGCS 103 ()-US-NP	US6981022 US6565370	09/985696 10/093922		US US	27-Dec-05 20-May-03	24-Jan-24 11-Mar-22	2-Nov-01 11-Mar-02	Multimedia Conferencing Connector Protection Bracket
AGCS 104	AGCS 104 ()-US-NP	US6544311	10/123475		US	8-Apr-03	17-Apr-22	17-Apr-02	Chassis Thermal Zones
AGCS 105 AGCS 106	AGCS 105 ()-US-NP AGCS 106 ()-US-NP	US6698638 US7146001	10/150815 10/174878	20030214771 20030235286	US US	2-Mar-04 5-Dec-06	20-May-22 19-Mar-24	20-May-02 19-Jun-02	Printed Circuit Board Scrap Edge Removal Tool  Dynamic Essential Line Service
AGCS 107	AGCS 107 ()-US-NP	US6796818	10/225645	20040038571	US	28-Sep-04	21-Aug-22	21-Aug-02	Card Extender With Insertion/Removal Arrangement
AGCS 65	AGCS 65 ()-US-NP	US5930237	08/885580		US	27-Jul- <del>99</del>	30-Jun-17	30-Jun-97	Video Conference System With ATM Cell Reuse Device For Providing Disposable Sanitary Keyboard
AGCS 67	AGCS 67 ()-US-NP	US5944432	08/988340		US	31-Aug-99	23-Oct-17	23-Oct-97	Covers Method Of Accessing An IP In An ISDN Network With
AGCS 68	AGCS 68 ()-US-NP	US6215864	09/005737		US	10-Apr-01	12-Jan-18	12-Jan-98	Partial Release  Method Of Accessing a SCP In An ISUP Network With
AGCS 69	AGCS 69 ()-US-NP	US6075855	09/020351		US	13-Jun-00	9-Feb-18	9-Feb-98	Partial Release
AGCS 70	AGCS 70 ()-US-NP	US6021192	09/020520		US	1-Feb-00	9-Feb-18	9-Feb-98	Tone Detector  Message Waiting Indicator In a Computer Integrated
AGCS 72	AGCS 72 ()-US-NP	US6292544	09/055204		US	18-Sep-01	6-Apr-18	6-Apr-98	Telephony System Telephone Extension Switch Hook State Detection
AGCS 73	AGCS 73 ()-US-NP	US6041107	09/070058		US	21-Mar-00	30-Apr-18	30-Apr-98	System
AGCS 74	AGCS 74 () HS MP	HEESOSENN	00/100104		lie.	20 4 01	10 Nov. 10	10 Nov. 00	System For Providing Bridging Of Backplane
AGCS 74	AGCS 74 ()-US-NP	US6282599	09/189184		US	28-Aug-01	10-Nov-18	10-Nov-98	Expansion Slot Buses Between Two Adjacent Systems
AGCS 76	AGCS 76 ()-TW-NP	TWNI-138633	88119039	TW448676	TW	1-Aug-01	2-Nov-19	2-Nov-99	Dynamic Concentration Of Announcement Circuits
AGCS 76	AGCS 76 ()-US-NP	US6487287	09/253879		US	26-Nov-02	22-Feb-19	22-Feb-99	Dynamic Concentration Of Announcement Circuits

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FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	IIILE
AGCS 80	ACCC OO () HC ND	US6459297	09/399571		uc	1-Oct-02	20 5 10	20-Sep-99	System For Programming Field Programmable
AGCS 81	AGCS 80 ()-US-NP AGCS 81 ()-US-NP	US6490450	09/448749		US US	3-Dec-02	20-Sep-19 24-Nov-19	24-Nov-99	Devices Capture Mobile Subscriber Information
AGCS 83	AGCS 83 ()-US-NP	US6882641	09/511256		US	19-Apr-05	23-Feb-20	23-Feb-00	Call Center Queue Administration
AGCS 84	AGCS 84 ()-US-NP	US6798768	09/511258		US	28-Sep-04	23-Feb-20	23-Feb-00	Multimedia Call Routing In An IP Network
AGCS 86	AGCS 86 ()-US-NP	US6166547	09/524600		US	26-Dec-00	14-Mar-20	14-Mar-00	Line Card Loss Of Battery Detector  Called Party Identification In Packet Switched
AGCS 88 AGCS 90	AGCS 88 ()-US-NP AGCS 90 ()-US-NP	US6678359 US6493442	09/544181 09/589528		US US	13-Jan-04 10-Dec-02	6-Apr-20 7-Jun-20	6-Apr-00 7-Jun-00	Networks AIN Triggers To Invoke Non-AIN Features Guaranteed Admission And Incremental Bandwidth
AGCS 99	AGCS 99 ()-US-NP	US6956857	09/961773		US	18-Oct-05	16-Apr-24	24-Sep-01	Allocation In a Packet Network System And Method For Multicast Conferencing And
Aggarwal 1-11 (S)	Aggarwal 1-11 (S)-US-NP	US6154463	08/917344		US	28-Nov-00	26-Aug-17	26-Aug-97	Online Discussion Groups
Aggarwal 3 (S)	Aggarwal 3 (S)-US-NP	US7506370	10/428722	20040221154	US	17-Mar-09	17-Mar-26	2-May-03	Mobile Security Architecture
Agrawal 2-1-4-25-2-5 (N)	Agrawal 2-1-4-25-2-5 (N)-US-NP	US6763190	09/755613		US	13-Jul-04	6-Apr-22	5-Jan-01	Network Auto-Provisioning And Distributed Restoration
Ahmed 21 (W)	Ahmed 21 (W)-US-NP	US8295249	10/126699	20030198253	US	23-Oct-12	4-Oct-30	22-Apr-02	Block Size Detection For MPSK Signaling Distributed Dynamic Channel Allocation Technique
Ahmed 5 (W)	Ahmed 5 (W)-US-NP	US7373151	09/379675		US	13-May-08	24-Aug-19	24-Aug-99	For Multi-Carrier CDMA Cellular Systems With Mobile Base Stations
Ahmed 6-6-8-3-19 (W)	Ahmed 6-6-8-3-19 (W)-US-NP	US7158484	09/513325		US	2-Jan-07	25-Feb-20	25-Feb-00	Method And Apparatus For Topology Sensing In Networks With Mobile Nodes
Aho 3-13-4-10-12 (AV)	Aho 3-13-4-10-12 (AV)-US-NP	US6256043	08/938304		US	3-Jul-01	26-Sep-17	26-Sep-97	Three-Dimensional Virtual Reality Enhancement Techniques
Ahuja 14-1-1 (SR)	Ahuja 14-1-1 (SR)-US-NP	US6041307	09/012866		US	21-Mar-00	23-Jan-18	23-Jan-98	Technique For Effectively Managing Resources In A Network
Ahuja 17-1-2 (SR)	Ahuja 17-1-2 (SR)-US-NP	US6175869	09/057274		US	16-Jan-01	8-Apr-18	8-Apr-98	Client-Side Techniques For Web Server Allocation
Ahuja 18-3 (SR)	Ahuja 18-3 (SR)-US-NP	US6411603	09/122032		US	25-Jun-02	23-Jul-18	23-Jul-98	Method and apparatus for pricing links/paths based on a requested amount of bandwidth wherein links can be load balanced by varying their costs Shaping Of An EM Field For Transmission To Multiple
Aiken 5-11 (RT)	Aiken 5-11 (RT)-JP-NP	JP4762460	2001287725		JP	17-Jun-11	20-Sep-21	20-Sep-01	Terminals Shaping Of An EM Field For Transmission To Multiple
Aiken 5-11 (RT)	Aiken 5-11 (RT)-US-NP	US7242964	09/672512		US	10-Jul-07	2-Jan-23	28-Sep-00	Terminals
Aizenberg 7-18 (J)	Aizenberg 7-18 (J)-US-NP	US7927783	10/920673	20060040213	US	19-Apr-11	16-Mar-29	18-Aug-04	Tunable Lithography With A Refractive Mask
Akhteruzzaman 10 (M)	Akhteruzzaman 10 (M)-JP-NP	JP3624121	11231914		JP	3-Dec-04	18-Aug-19	18-Aug-99	Method For Optimizing Stability Of A Line Interface Circuit In A Telecommunications Network
Akhteruzzaman 10 (M)	Akhteruzzaman 10 (M)-US-NP	US6353668	09/138155		US	5-Mar-02	21-Aug-18	21-Aug-98	Method For Optimizing Stability Of A Line Interface Circuit In A Telecommunications Network Telephone With Automatic Pause Responsive, Noise
Akhteruzzaman 11 (M)	Akhteruzzaman 11 (M)-US-NP	US6212275	09/108155		US	3-Apr-01	30-Jun-18	30-Jun-98	Reduction Muting And Method
Akhteruzzaman 15 (M)	Akhteruzzaman 15 (M)-US-NP Akhteruzzaman 18-4-7 (M)-US-NP	US6104795	09/206192		US	15-Aug-00	4-Dec-18	4-Dec-98	Method And Apparatus For Detecting And Announcing Pin Fraud On Coin Telephones That Use Battery Reversal Pulses To Meter Charges Method And System For Providing Redundancy In Security Systems Served By A Public Switched
Akhteruzzaman 18-4-7 (M)  Akhteruzzaman 21-9 (A)	Akhteruzzaman 21-9 (A)-US-NP	US6067346 US6393104	09/215828 09/397563		US	23-May-00 21-May-02	18-Dec-18 16-Sep-19	18-Dec-98 16-Sep-99	Telephone Network Enhanced Life-Line Service For Cable Telephone Customers
Akhteruzzaman 21-9 (A) Akhteruzzaman 27-16-11 (A)	Akhteruzzaman 27-16-11 (A)-US-	US6584316	09/565816		US	21-May-02 24-Jun-03	5-May-20	5-May-00	Handoff Of Phone Calls Between Wireless And Wired Networks
Akhteruzzaman 32-26-16 (A)	Akhteruzzaman 32-26-16 (A)-US-	US6701156	09/740362	20020077137	US	2-Mar-04	19-Dec-20	19-Dec-00	System And Method For Managing Response To A Need At A Site
Akhteruzzaman 40-37-11 (A)	Akhteruzzaman 40-37-11 (A)-US-	US7110515	10/128183	20030198327	US	19-Sep-06	22-Nov-22	23-Apr-02	Remembrance-Promoted Number Receipt For Call Allowance
Aksyuk 29-5-11 (VA)	Aksyuk 29-5-11 (VA)-US-NP	US7145248	10/185249	20040000724	US	5-Dec-06	28-Jun-22	28-Jun-02	Common Connection Method For Flip-Chip Assembled Devices
		JP4891559	2005100620	2005288688	JP	22-Dec-11	31-Mar-25	31-Mar-05	Tip-Tilt-Piston Actuator
Aksyuk 34-5 (VA)	Aksyuk 34-5 (VA)-US-NP	US7068409	10/813951	20050219675	US	27-Jun-06	31-Mar-24	31-Mar-04	Tip-Tilt-Piston Actuator
Aksyuk 49-25-17 (VA)	Aksyuk 49-25-17 (VA)-US-NP	US8154378	11/836860	20090040008	US	10-Apr-12	26-Jul-28	10-Aug-07	Thermal Actuator For A MEMS-Based Replay Switch
Aksyuk 51-28-19 (VA)	Aksyuk 51-28-19 (VA)-US-NP	US7733200	11/904949	20090085699	US	8-Jun-10	19-Jan-28	29-Sep-07	MEMS Actuator System For Alerting A Network Of Changes In
Alamineh 1 (DAS)	Alamineh 1 (DAS)-US-NP	US6914877	09/410249		US	5-Jul-05	30-Sep-19	30-Sep-99	Operational Status Of Communication Links  Method And Apparatus For Analyzing The Progress
Alexander 1-1-1-2-1-4-2-1 (EG)	Alexander 1-1-1-2-1-4-2-1 (EG)- US-NP	US6691300	09/430983		us	10-Feb-04	1-Nov-19	1-Nov-99	Of A Software Upgrade On A Telecommunications Switch
Alexandrovich 1-12-9 (MJ)	Alexandrovich 1-12-9 (MJ)-US- NP	US7187447	09/538754		US	6-Mar-07	30-Mar-20	30-Mar-00	Fabry-Perot Stepped Etalon With Improved Transmittance Characteristics
	Al 4 40 2 2 5 (15) :: ::-	Heensess		200202507-		4			Method And Apparatus For Supporting Voice Message Services With Automatic Rebound In A
Alger 4-12-2-6 (LE)	Alger 4-12-2-2-6 (LE)-US-NP	US6839555	09/846972	20020160755	US	4-Jan-05	30-Apr-21	30-Apr-01	Wireless Intelligent Network  Mobile Radio Telecommunication System With
Al-Housami 3 (HM)	Al-Housami 3 (HM)-US-NP Al-Housami 5-30-9-12 (HM)-US-	US7050814	09/782359	20010016497	US	23-May-06	14-Oct-22	14-Feb-01	Improved Uplink Resource Allocation Transmitting A Control Message On A Forward Access Channel (FACH) In A Network For Mobile
Al-Housami 5-30-9-12 (HM)		US7242953	10/420146	20040214590	US	10-Jul-07	21-Sep-24	22-Apr-03	Telecommunications
Ali 3-2-4 (SS)	Ali 3-2-4 (SS)-US-NP	US6353927	09/119232		US	5-Mar-02	21-Jul-18	21-Jul-98	Data Download Technique Into Installed Memory Method And Apparatus For Fast Shared Restoration
Alicherry 10-5 (M)	Alicherry 10-5 (M)-US-NP	US7609624	10/838098	20050243711	US	27-Oct-09	31-Dec-26	3-May-04	In Communications Networks Method And Apparatus For Designing Networks To
Alicherry 11-7-1 (M)	Alicherry 11-7-1 (M)-US-NP Alicherry 14-14-10-30 (M)-US-	US7453796	10/860948	20050286411	US	18-Nov-08	9-May-26	4-Jun-04	Support Fast Restoration
Alicherry 14-14-10-30 (M)	NP	US8270301 ZL200510135751	11/025100	20060140116	US	18-Sep-12	8-May-27	29-Dec-04	Delay Distributed Virtually-Concatenated Data Traffic Method And Apparatus For Provisioning A Hop
Alicherry 16-8 (M)  Alicherry 16-8 (M)	Alicherry 16-8 (M)-CN-NP Alicherry 16-8 (M)-EP-EPA	.5	200510135751.5 05257708.7	CN1798068A EP1679837	CN EP	5-May-10	29-Dec-25 15-Dec-25	29-Dec-05 15-Dec-05	Limited Protection Pathway In A Network  Method And Apparatus For Provisioning A Hop Limited Protection Pathway In A Network
Alicherry 16-8 (M)	Alicherry 16-8 (M)-IN-NP		1963/CHE/2005	2. 10/303/	IN		29-Dec-25	29-Dec-05	Method And Apparatus For Provisioning A Hop Limited Protection Pathway In A Network
Alicherty 10-0 (IVI)	PARTICULA TO-O (IAI)-IIA-IAE	l .	1303/CHE/2003	I .	IN	1	25-060-23	23-DEC-03	Emilia Frotestion Fathway III A Network

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	TITLE
Alicherry 16-8 (M)	Alicherry 16-8 (M)-JP-NP	JP4864453	2005374501	2006191596	JP	18-Nov-11	27-Dec-25	27-Dec-05	Method And Apparatus For Provisioning A Hop Limited Protection Pathway In A Network
									Method And Apparatus For Provisioning A Hop
Alicherry 16-8 (M)	Alicherry 16-8 (M)-US-NP Alicherry 17-3-19-12-35 (M)-US-	US7990846	11/027905	20060146733	US	2-Aug-11	7-Oct-29	30-Dec-04	Limited Protection Pathway In A Network
Alicherry 17-3-19-12-35 (M)	NP Alicherry 19-4-36-1-11 (M)-US-	US7636309	11/169194	20060291392	US	22-Dec-09	25-Nov-27	28-Jun-05	Multi-Path Routing Using Intra-Flow Splitting
Alicherry 19-4-36-1-11 (M)	NP	US7835271	11/321549	20070153674	US	16-Nov-10	22-May-28	29-Dec-05	Signaling Protocol For P-Cycle Restoration  Joint Placement And Configuration Of Cross-
Alfahaan, 2, 2, 2, 17 (M)	Alfahaan 2.2.2.17 (M) US ND	11555842722	10/202205		ue	11 1 05	20 Mars 22	20 14 02	Connects And Add-Drop Multiplexers In An Optical
Alicherry 2-2-2-17 (M)	Alicherry 2-2-2-17 (M)-US-NP	US6842723	10/393306		US	11-Jan-05	20-Mar-23	20-Mar-03	Mesh Network
Alicherry 7-7-6-22 (M)	Alicherry 7-7-6-22 (M)-US-NP	US7466688	10/656497	20050063309	US	16-Dec-08	17-Mar-26	5-Sep-03	Routing And Design In K-Shared Networks
Allain 1-6-19 (BJ)	Allain 1-6-19 (BJ)-US-NP	US6449259	08/885539		US	10-Sep-02	30-Jun-17	30-Jun-97	Communication Controller  Method And Apparatus For Providing Scaleable
Allen 1-1-1-2-4-1-1-1 (RL)	Allen 1-1-1-2-4-1-1-1 (RL)-US-NP	US6058490	09/063560		US	2-May-00	21-Apr-18	21-Apr-98	Levels of Application Availability Product Classification Process For Optical
Allen 2-3-4 (AB)	Allen 2-3-4 (AB)-US-NP	US6240398	09/226827		US	29-May-01	7-Jan-19	7-Jan-99	Subassemblies
Allers 1-24 (JE)	Allers 1-24 (JE)-US-NP	US7058415	10/436730		US	6-Jun-06	7-Jun-24	12-May-03	System For Providing Unified Cellular And Wire-Line Service To A Dual Mode Handset
									A Receiver Architecture Employing Space Time Spreading And Orthogonal Transmit Diversity
Allpress 14-6-2 (SA)	Allpress 14-6-2 (SA)-DE-EPA	EP1085677	00307633.8	EP1085677	DE	11-Jul-07	4-Sep-20	4-Sep-00	Techniques A Receiver Architecture Employing Space Time
Allerone 14 5 3 (5A)	Allegees 14 6 3 (CA) ED EDA	EP1085677	00207622.9	ED1005677	ED.	11-Jul-07	4 Fan 20	4 Fan 00	Spreading And Orthogonal Transmit Diversity
Allpress 14-6-2 (SA)	Allpress 14-6-2 (SA)-FR-EPA	EP10836//	00307633.8	EP1085677	FR	11-Jul-07	4-Sep-20	4-Sep-00	Techniques A Receiver Architecture Employing Space Time
Allpress 14-6-2 (SA)	Allpress 14-6-2 (SA)-GB-EPA	EP1085677	00307633.8	EP1085677	GB	11-Jul-07	4-Sep-20	4-Sep-00	Spreading And Orthogonal Transmit Diversity Techniques
									A Receiver Architecture Employing Space Time Spreading And Orthogonal Transmit Diversity
Allpress 14-6-2 (SA)	Allpress 14-6-2 (SA)-US-NP	US6317410	09/395325		US	13-Nov-01	13-Sep-19	13-Sep-99	Techniques Transmitter Architecture Employing Space Time
									Spreading And Orthogonal Transmit Diversity
Allpress 15-7-7-10-3 (SA)	Allpress 15-7-7-10-3 (SA)-KR-NP	KR608427	20000053298		KR	26-Jul-06	8-Sep-20	8-Sep-00	Techniques Transmitter Architecture Employing Space Time
Allpress 15-7-7-10-3 (SA)	Allpress 15-7-7-10-3 (SA)-US-NP	US6392988	09/394172		US	21-May-02	13-Sep-19	13-Sep-99	Spreading And Orthogonal Transmit Diversity Techniques
		EP0837565	97306779.6	ED0927565					·
Allpress 3-2 (SA)	Allpress 3-2 (SA)-DE-EPA			EP0837565	DE	27-Nov-02	2-Sep-17	2-Sep-97	IS-95 Compatible Wideband Communication Scheme
Allpress 3-2 (SA)	Allpress 3-2 (SA)-FI-EPA	EP0837565	97306779.6	EP0837565	FI	27-Nov-02	2-Sep-17	2-Sep-97	IS-95 Compatible Wideband Communication Scheme
Allpress 3-2 (SA)	Allpress 3-2 (SA)-FR-EPA	EP0837565	97306779.6	EP0837565	FR	27-Nov-02	2-Sep-17	2-Sep-97	IS-95 Compatible Wideband Communication Scheme
Allpress 3-2 (SA)	Allpress 3-2 (SA)-GB-EPA	EP0837565	97306779.6	EP0837565	GB	27-Nov-02	2-Sep-17	2-Sep-97	IS-95 Compatible Wideband Communication Scheme
Allpress 3-2 (SA)	Allpress 3-2 (SA)-SE-EPA	EP0837565	97306779.6	EP0837565	SE	27-Nov-02	2-Sep-17	2-Sep-97	IS-95 Compatible Wideband Communication Scheme
Allpress 5-4-4 (SA)	Allpress 5-4-4 (SA)-US-NP	US6195537	08/938404		US	27-Feb-01	25-Sep-17	25-Sep-97	A Method And Apparatus For Strong Signal Suppression In Multi-Carrier Signals
Allpress 7-4-4-1-1 (SA)	Allpress 7-4-4-1-1 (SA)-JP-NP	JP3481488	56347/1999	2000004208	JP	10-Oct-03	4-Mar-19	4-Mar-99	Time Division Multiple Access Communication System
Allpress 7-4-4-1-1 (SA)	Allpress 7-4-4-1-1 (SA)-KR-NP	KR354941	19990007099		KR	18-Sep-02	4-Mar-19	4-Mar-99	Time Division Multiple Access Communication System
Allpress 7-4-4-1-1 (SA)	Allpress 7-4-4-1-1 (SA)-TW-NP	TWNI-122456	88102937	408538	TW	11-Oct-00	26-Feb-19	26-Feb-99	Time Division Multiple Access Communication System
				400338					Time Division Multiple Access Communication
Allpress 7-4-4-1-1 (SA)	Allpress 7-4-4-1-1 (SA)-US-NP	US6744778	09/262531		US	1-Jun-04	4-Mar-19	4-Mar-99	System
Al-Rawi 1-1-6 (HB)	Al-Rawi 1-1-6 (HB)-US-NP	US6445360	09/805081	20020000947	US	3-Sep-02	13-Mar-21	13-Mar-01	Antenna Structure For Fixed Wireless System  Optical Protection Switch Employing An Interference
Al-Salameh 4-5-3-1 (DY)	Al-Salameh 4-5-3-1 (DY)-US-NP	US6075629	09/014174		US	13-Jun-00	27-Jan-18	27-Jan-98	Filter Optical Transmission System Including Optical
Al-Salameh 5-3 (DY)	Al-Salameh 5-3 (DY)-US-NP	US6414771	09/067233	20010040711	US	2-Jul-02	27-Apr-18	27-Apr-98	Restoration
Al-Salameh 8 (DY)	Al-Salameh 8 (DY)-US-NP	US6262820	09/115558		US	17-Jul-01	15-Jul-18	15-Jul-98	Optical Transmission System Including Optical Restoration
Alur 2-4 (R)	Alur 2-4 (R)-US-NP	US6324496	09/099372		US	27-Nov-01	18-Jun-18	18-Jun-98	Model Checking Of Hierarchical State Machines
Alur 3-6 (R)	Alur 3-6 (R)-US-NP	US6516306	09/375657		US	4-Feb-03	17-Aug-19	17-Aug-99	Model Checking Of Message Flow Diagrams  Dynamic Latency Assignment Methodology For
Alvarez 2-4-3 (TL)	Alvarez 2-4-3 (TL)-US-NP	US7321557	09/699773		US	22-Jan-08	5-Apr-23	30-Oct-00	Bandwidth Optimization Of Packet Flows
Aman 4-32-1-4-5 (AK)	Aman 4-32-1-4-5 (AK)-US-NP	US6192088	09/052455		US	20-Feb-01	31-Mar-18	31-Mar-98	Carrier Recovery System
Aman 6-1 (AK)	Aman 6-1 (AK)-US-NP	US6178530	09/065854		US	23-Jan-01	24-Apr-18	24-Apr-98	Addressing Scheme For Convolutional Interleaver/De- Interleaver
Amir 17-5-1-9-2-5 (I)	Amir 17-5-1-9-2-5 (I)-US-NP	US6137116	09/063795		US	24-Oct-00	21-Apr-18	21-Apr-98	Optical Probe for Scanning Surfaces within Constricted Spaces
	- 17		-				4	p	Method And System For Correcting Phase And Amplitude Imbalances Of A Quadrature Modulated
Amir 20-10-2 (I)	Amir 20-10-2 (I)-US-NP	US6512800	09/267280		US	28-Jan-03	12-Mar-19	12-Mar-99	RF Signal
Ammicht 3-1-14 (E)	Ammicht 3-1-14 (E)-US-NP	US6788820	09/432749	20030190082	US	7-Sep-04	3-Nov-19	3-Nov-99	Method And Apparatus For Wavelet-Based Image Compression
									Wavelet-Based Compression Of Images For Storage, Transmission And Reconstruction Using Hierarchical
Ammicht 4-2-15 (E)	Ammicht 4-2-15 (E)-US-NP	US6549673	09/429467		US	15-Apr-03	28-Oct-19	28-Oct-99	Subband Decomposition
Amount 2.2 5 (***)	A	HECOGEOAS	00/11020			4.5	17	47.1.6	Switchable And Reconfigurable Optical Grating
	Amundson 3-3-5-17 (KR)-US-NP	US6285812	09/118198		US	4-Sep-01	17-Jul-18	17-Jul-98	Devices And Methods For Making Them Method For Managing Wireless Assets In A Coverage
An 1 (Y)	An 1 (Y)-US-NP	US7139578	10/104293	20040203832	US	21-Nov-06	4-Apr-23	22-Mar-02	Area
Anand 1-16-15 (R)	Anand 1-16-15 (R)-US-NP	US6681365	09/680708		US	20-Jan-04	6-Oct-20	6-Oct-00	Method And Apparatus For Providing Channel Error Protection For A Source Coded Bit Stream
70 min 2 10-13 (N)	The state of the s		,000,00		33	20 301104	5 541-20	5 521-00	Method And Apparatus For Enabling Transmission Of
Anderlind 2-6 (EE)	Anderlind 2-6 (EE)-KR-NP	KR442926	20000025566		KR	23-Jul-04	13-May-20	13-May-00	Variable Length Encoded Data In A Low Signal to Noise Ratio Environment
									Method And Apparatus For Enabling Transmission Of Variable Length Encoded Data In A Low Signal to
Anderlind 2-6 (EE)	Anderlind 2-6 (EE)-JP-NP	JP3712593	2000144215	2001024516	JP	26-Aug-05	17-May-20	17-May-00	Noise Ratio Environment

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	CASE	GRANT	APPLICATION	PUBLICATION		rssue		APPLICATION	
FAMILY	REFERENCE	NUMBER	NUMBER	NUMBER	COUNTRY	DATE	DATE	DATE	TETLE  Method And Apparatus For Enabling Transmission Of
Anderlind 2-6 (EE)	Anderlind 2-6 (EE)-US-NP	US6563879	09/312711		US	13-May-03	17-May-19	17-May-99	Variable Length Encoded Data In A Low Signal to Noise Ratio Environment
									Method And Apparatus For Enabling Transmission Of Variable Length Encoded Data In A Low Signal to
Anderlind 2-6 (EE)	Anderlind 4-9 (EE)-US-DIV	US6697435	10/101697		US	24-Feb-04	27-Jul-19	21-Mar-02	Noise Ratio Environment
	Andersen 1-53-14 (BA)-US-NP Andersen 2 (BA)-US-NP	US6236497 US6190055	09/201454 09/199546		US US	22-May-01 20-Feb-01	30-Nov-18 25-Nov-18	30-Nov-98 25-Nov-98	Direct Free-Space Pump-Signal Mixing for EDFA Reducing Stress In Optical Fibers
	Andersen 2 (JA)-US-NP	US6196036	09/371513		US	6-Mar-01	10-Aug-19	10-Aug-99	Torque-Limited Key
Andres 1-3 (JL)	Andres 1-3 (JL)-US-NP	US6950291	09/450934		US	27-Sep-05	29-Nov-19	29-Nov-99	Electromagnetic Interference Shielding For Small Magnetic Devices
									Compact Antennas Having Directed Beams and Potentially More Than One Degree of Freedom Per
	Andrews 11-14-1 (MR)-US-NP	US6809693	10/306811		US	26-Oct-04	27-Nov-22	27-Nov-02	Concentration Region  Methods And Apparatus For Transmission Scheduling
Andrews 11-8 (DM)	Andrews 11-8 (DM)-US-NP	US7174180	10/895743	20060019662	US	6-Feb-07	29-Jan-25	21-Jul-04	In Wireless Networks Communication Employing Triply-Polarized
Andrews 1-7 (MR)	Andrews 1-7 (MR)-US-NP	US6195064	09/379151		US	27-Feb-01	23-Aug-19	23-Aug-99	Transmissions Communication Employing Triply-Polarized
Andrews 1-7 (MR)	Andrews 2-8-20 (MR)-US-CIP	US6317098	09/477972		US	13-Nov-01	23-Aug-19	5-Jan-00	Transmissions Linear Programming Method Of Network Design For
Andrews 3-2 (DM)	Andrews 3-2 (DM)-US-NP	US6363334	09/255945		US	26-Mar-02	23-Feb-19	23-Feb-99	Carrying Traffic From Endnodes To A core Network At Least Cost
Andrews 6-5-1 (MW)	Andrews 6-5-1 (MW)-US-NP	US6501473	09/271728		US	31-Dec-02	18-Mar-19	18-Mar-99	Method And System For Theory Of Constraints Buffer Graphing, Tracking and Management
Andruska 12-2 (DL)	Andruska 12-2 (DL)-US-NP	US5937035	08/929022		US	10-Aug-99	15-Sep-17	15-Sep-97	Interswitch Telephone Status Monitoring
	Andruska 13-10 (DL)-US-NP	US6408066	09/461885		US	18-Jun-02	15-Dec-19	15-Dec-99	ADC Skill-Based Routing
	Andruska 16 (DL)-DE-EPA	EP1562302	05250274.7	EP1562302	DE	19-Aug-09	20-Jan-25	20-Jan-05	Shared Wireline Code Division Multiple Access
Andruska 16 (DL)	Andruska 16 (DL)-FR-EPA	EP1562302	05250274.7	EP1562302	FR	19-Aug-09	20-Jan-25	20-Jan-05	Shared Wireline Code Division Multiple Access
		EP1562302	05250274.7						
Andruska 16 (DL)	Andruska 16 (DL)-GB-EPA			EP1562302	GB	19-Aug-09	20-Jan-25	20-Jan-05	Shared Wireline Code Division Multiple Access
	Andruska 16 (DL)-US-NP	US7346070	10/772956	20050174957	US	18-Mar-08	26-Apr-26	5-Feb-04	Shared Wireline Code Division Multiple Access
	Andry 2-3-1-5-6 (SC)-US-NP	US6392160	09/200092		US	21-May-02	25-Nov-18	25-Nov-98	Backplane For Radio Frequancy Signals Timing Circuitry For Muxing/Demuxing Of Optical
	Antosik 1-4-1-5 (R)-CN-NP	ZL01132801.0	01132801.0	CN1344077A	CN	7-Nov-07	7-Sep-21	7-Sep-01	Communication Signals Timing Circuitry For Muxing/Demuxing Of Optical
Antosik 1-4-1-5 (R)	Antosik 1-4-1-5 (R)-DE-EPA	EP1187383	01306899.4	EP1187383	DE	21-May-03	14-Aug-21	14-Aug-01	Communication Signals Timing Circuitry For Muxing/Demuxing Of Optical
Antosik 1-4-1-5 (R)	Antosik 1-4-1-5 (R)-FR-EPA	EP1187383	01306899.4	EP1187383	FR	21-May-03	14-Aug-21	14-Aug-01	Communication Signals Timing Circuitry For Muxing/Demuxing Of Optical
Antosík 1-4-1-5 (R)	Antosik 1-4-1-5 (R)-JP-NP	JP4652635	2001271176	2002152164	JP	24-Dec-10	7-Sep-21	7-Sep-01	Communication Signals Timing Circuitry For Muxing/Demuxing Of Optical
Antosik 1-4-1-5 (R)	Antosik 1-4-1-5 (R)-US-NP	US6792005	09/658516		US	14-Sep-04	8-Sep-20	8-Sep-00	Communication Signals Circuitry For Mixed-Rate Optical Communication
Antosik 2-1-2-6-1 (R)	Antosik 2-1-2-6-1 (R)-CN-NP	ZL01132600.X	01132600.X	CN1345142A	CN	2-Apr-08	7-Sep-21	7-Sep-01	Networks Circuitry For Mixed-Rate Optical Communication
Antosik 2-1-2-6-1 (R)	Antosik 2-1-2-6-1 (R)-DE-EPA	EP1198087	01306896.0	EP1198087	DE	6-May-04	14-Aug-21	14-Aug-01	Networks Circuitry For Mixed-Rate Optical Communication
Antosik 2-1-2-6-1 (R)	Antosik 2-1-2-6-1 (R)-FR-EPA	EP1198087	01306896.0	EP1198087	FR	6-May-04	14-Aug-21	14-Aug-01	Networks  Circuitry For Mixed-Rate Optical Communication
Antosik 2-1-2-6-1 (R)	Antosik 2-1-2-6-1 (R)-JP-NP	JP4652636	2001271371		JP	24-Dec-10	7-Sep-21	7-Sep-01	Networks  Circuitry For Mixed-Rate Optical Communication
Antosik 2-1-2-6-1 (R)	Antosik 2-1-2-6-1 (R)-US-NP	US6822975	09/658515		US	23-Nov-04	8-Sep-20	8-Sep-00	Networks
									Method For Creating And Playing Back A Smart Bookmark That Automatically Retrieves A Requested
Anupam 10-6-12-4 (V)	Anupam 10-6-12-4 (V)-US-NP	US6535912	09/387571		US	18-Mar-03	31-Aug-19	31-Aug-99	Web Page Through A Plurality Of Intermediate Web Pages
									Method And Apparatus For Sharing Asymmetric
Anupam 6-16-3 (V)	Anupam 6-16-3 (V)-US-NP	US6353851	09/221067		US	5-Mar-02	28-Dec-18	28-Dec-98	Information And Services In Simultaneously Viewed Documents On A Communication System
Anupam 9-19-3-1 (V)	Anupam 14-20-4-2 (V)-US-CNT	US6687739	10/075798		US	3-Feb-04	16-Jul-19	13-Feb-02	Methods And Apparatus For Enabling Shared Web- Based Interaction In Stateful Servers
Aquino 3-1-1-1 (MK)	Aquino 3-1-1-1 (MK)-US-NP	US6389131	09/161966		US	14-May-02	28-Sep-18	28-Sep-98	Enhanced Initiate Call Attempt Process
Aravamudan 11-1 (M)	Aravamudan 11-1 (M)-US-NP	US6567398	09/092495		US	20-May-03	5-Jun-18	5-Jun-98	Distributed Call System
	Aravamudan 8-5 (M)-US-NP	US6006272	09/027708		US	21-Dec-99	23-Feb-18	23-Feb-98	Method For Network Address Translation
	Arboleda 1-1-1-5-45 (CR)-US-NP		11/482624	20080112389	US	23-Dec-08	30-Aug-26	7-Jul-06	Switch Data Transform To IMS Process
	Ardis 1-1-1 (MA)-US-NP	US6591373	09/461886		US	8-Jul-03	15-Dec-19	15-Dec-99	Uniform Configuration Controller For Replicated Component Systems
									Explicit Route And Multicast Tree Setup Using Label
	Armitage 1-1-1 (GJ)-US-NP	US6374303	09/190307	20020025525	US	16-Apr-02	12-Nov-18	12-Nov-98	Distribution Supporting Mobile Hosts On An Internet Protocol
• , ,	Armitage 2 (GJ)-US-NP	US7650424	09/824960	20020026525	US	19-Jan-10	23-Nov-28	3-Apr-01	Network
Arney 10-18-4 (S)	Arney 10-18-4 (S)-US-NP	US8915957	10/798064	20050203613	US	23-Dec-14	17-Aug-29	11-Mar-04	Drug Delivery Stent Improved Platen-Based Image-Acquisition Apparatus
	Arney 4-6-1 (S)-US-NP	US6101291	09/022327		US	8-Aug-00	11-Feb-18	11-Feb-98	Having Preview Feature  Method for Performing Image-Acquisition with
	Arney 7-10-2 (S)-US-DIV	US6298172	09/430550		US	2-Oct-01	11-Feb-18	29-Oct-99	Preview of Image to be Transferred  Cascaded Polyphase DFT-Filter Bank For A Wireless
Arunachalam 3-2 (S)	Arunachalam 3-2 (S)-US-NP	US6411653	09/356261		US	25-Jun-02	16-Jul-19	16-Jul-99	Telecommunications System Control Processor Switchover for a
Ascend 10	Ascend 10 ()-US-NP	US5953314	08/919828		US	14-Sep-99	28-Aug-17	28-Aug-97	Telecommunications Switch Timing Synchronization and Switchover in a Network
Ascend 11	Ascend 11 ()-US-NP	US6078595	08/920250		US	20-Jun-00	27-Aug-17	27-Aug-97	Switch Electronic Interconnection Method and Apparatus for
Ascend 14	Ascend 14 ()-US-NP	US6015300	08/919825		US	18-Jan-00	28-Aug-17	28-Aug-97	Minimizing Propagation Delays  Apparatus and Method for Routing Data Packets
	Ascend 25 ()-US-NP Ascend 29 ()-US-NP	US6553002 US6711153	08/921189 09/459441		US US	22-Apr-03 23-Mar-04	29-Aug-17 13-Dec-19	29-Aug-97 13-Dec-99	Through a Communication Network  Route Lookup Engine
ASCENU 29	ACCULTA (J-U3-INF	0.50111133	03/433441			43*IVIa(*U4	T2-Dec-18	13-060-33	Induce Edding Engine

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FAMILY	CASE REFERENCE Ascend 29 ()-JP-DIV	GRANT NUMBER JP4542539	APPLICATEON NUMBER 2006319441	PUBLICATION NUMBER 2007110745	COUNTRY JP	15512E DATE 2-Jul-10	EXPURATION DATE 13-Dec-19	APPLICATION DATE 13-Dec-00	TETLE Route Lookup Engine
Ascend 6	Ascend 6 ()-US-NP	US6008995	08/924473		US	28-Dec-99	1 <del>9</del> -Aug-17	19-Aug-97	Card Cage Accomodating PC Cards of Differnt Size
Ascend 7	Ascend 7 ()-US-NP	US5987520	09/008224		US	16-Nov-99	16-Jan-18	16-Jan-98	Closed User Group Processing Decision for Efficient Call Security Validation
Ascend 8	Ascend 35 ()-US-CNT	US6967955	09/534737		US	22-Nov-05	7-May-18	27-Mar-00	Virtual Path Merging in a Multipoint-to-Point Network Tunneling Protocol
	Asghar 1-9-1-1-4-1-9-37-1-1 (N)- US-NP	US8045453	11/139692	20060159021	US	25-Oct-11	8-Oct-29	31-May-05	Methods And Systems For Alleviating Congestion In A Connection-Oriented Data Network
	Ashby 4 (KB)-US-NP	US6029060	08/895065		US	22-Feb-00	16-Jul-17	16-Jul-97	Mixer With Current Mirror Load Method And Apparatus For MAP Decoding Of First-
Ashikhmin 1 (A)	Ashikhmin 1 (A)-US-NP	US6990626 ZL200980137264	10/112574	20030188250	US	24-Jan-06	13-Oct-23	29-Mar-02	Order Reed Muller Codes And Related Error Correction Codes Methods For Precoding Signals For Transmission In
Ashikhmin 23 (A)	Ashikhmin 23 (A)-CN-PCT	.9	200980137264.9	102160346	CN	24-Sep-14	14-Sep-29	14-Sep-09	Wireless MIMO System  Methods For Precoding Signals For Transmission In
Ashikhmin 23 (A)	Ashikhmin 23 (A)-DE-EPT	EP2332300	09789302.8	EP2332300	DE	8-Feb-12	14-Sep-29	14-Sep-09	Wireless MIMO System
Ashikhmin 23 (A)	Ashikhmin 23 (A)-FR-EPT	EP2332300	09789302.8	EP2332300	FR	8-Feb-12	14-Sep-29	14-Sep-09	Methods For Precoding Signals For Transmission In Wireless MIMO System
Ashikhmin 23 (A)	Ashikhmin 23 (A)-GB-EPT	EP2332300	09789302.8	EP2332300	GB	8-Feb-12	14-Sep-29	14-Sep-09	Methods For Precoding Signals For Transmission In Wireless MIMO System
Ashikhmin 23 (A)	Ashikhmin 23 (A)-IN-PCT		1942/CHENP/2011	1942/CHENP/2011	IN		14-Sep-29	14-Sep-09	Methods For Precoding Signals For Transmission In Wireless MIMO System
Ashikhmin 23 (A)	Ashikhmin 23 (A)-KR-PCT	KR101226045	20117006412		KR	18-Jan-13	14-Sep-29	14-Sep-09	Methods For Precoding Signals For Transmission In Wireless MIMO System
Ashikhmin 23 (A)	Ashikhmin 23 (A)-US-NP	US8107550	12/232737	20100074356	US	31-Jan-12	20-Jul-30	23-Sep-08	Methods For Precoding Signals For Transmission In Wireless MIMO System
									Methods For Reducing Inter-Cell Interference By Precoding Signals For Transmission In Wireless
Ashikhmin 27-3-19 (A)	Ashikhmin 27-3-19 (A)-US-NP	US8140070	12/320864	20100203912	US	20-Mar-12	16-May-30	6-Feb-09	MIMO System
Ashikhmin 4-1 (A)	Ashikhmin 4-1 (A)-US-NP	US7168028	10/285365	20040088645	US	23-Jan-07	29-Jul-24	31-Oct-02	Method And Apparatus For Map Decoding Of Binary Hamming Codes And Related Error Correction Codes
Ashikhmin 7-27 (A)	Ashikhmin 7-27 (A)-US-NP	US9094144	10/835085	20050243895	US	28-Jul-15	19-Nov-27	29-Apr-04	Methods And Apparatus For Code Division Multiple Access Communication Using Code Book That Provides Reduced Peak-To-Average Power Ratio
									Methods And Apparatus For Code Division Multiple Access Communication Using Code Book That
Ashikhmin 7-27 (A)	Ashikhmin 7-27 (A)-JP-NP	JP5313428	2005131542	2005318631	JP	12-Jul-13	28-Apr-25	28-Apr-05	Provides Reduced Peak-To-Average Power Ratio
Ashikhmin 8-6 (A)	Ashikhmin 8-6 (A)-JP-NP	JP5289672	2005272988	2006101508	JP	14-Jun-13	21-Sep-25	21-Sep-05	Method And Apparatus For Generating A Channel Estimate Using A Non-Pilot Portion Of A Signal
Ashikhmin 8-6 (A)	Ashikhmin 8-6 (A)-CN-NP	ZL200510106880 .1	200510106880.1	CN1756102A	CN	16-Mar-11	26-Sep-25	26-Sep-05	Method And Apparatus For Generating A Channel Estimate Using A Non-Pilot Portion Of A Signal
Ashikhmin 8-6 (A)	Ashikhmin 8-6 (A)-DE-EPA	EP1641135	05255924.2	EP1641135	DE	16-Jul-14	22-Sep-25	22-Sep-05	Method And Apparatus For Generating A Channel Estimate Using A Non-Pilot Portion Of A Signal
Ashikhmin 8-6 (A)	Ashikhmin 8-6 (A)-FR-EPA	EP1641135	05255924.2	EP1641135	FR	16-Jul-14	22-Sep-25	22-Sep-05	Method And Apparatus For Generating A Channel Estimate Using A Non-Pilot Portion Of A Signal
Ashikhmin 8-6 (A)	Ashikhmin 8-6 (A)-GB-EPA	EP1641135	05255924.2	EP1641135	GB	16-Jul-14	22-Sep-25	22-Sep-05	Method And Apparatus For Generating A Channel Estimate Using A Non-Pilot Portion Of A Signal
Ashikhmin 8-6 (A)	Ashikhmin 8-6 (A)-IN-NP	IN260980	1357/CHE/2005		IN	29-May-14	26-Sep-25	26-Sep-05	Method And Apparatus For Generating A Channel Estimate Using A Non-Pilot Portion Of A Signal
Ashikhmin 8-6 (A)	Ashikhmin 8-6 (A)-KR-NP	KR101211940	20050089488		KR	7-Dec-12	26-Sep-25	26-Sep-05	Method And Apparatus For Generating A Channel Estimate Using A Non-Pilot Portion Of A Signal
Ashikhmin 8-6 (A)	Ashikhmin 8-6 (A)-US-NP	US7660568	10/950725	20060068714	US	9-Feb-10	22-Mar-28	27-Sep-04	Method And Apparatus For Generating A Channel Estimate Using A Non-Pilot Portion Of A Signal
Atkinson 5-51-31-2 (GW)	Atkinson 5-51-31-2 (GW)-US-NP	U58509098	11/414126	20070253341	US	13-Aug-13	6-Dec-29	28-Apr-06	Method And Apparatus For Identifying Network Connectivity Changes In Dynamic Networks
	August 17-43-21 (KG)-US-NP August 25-1-7-8-1-2-2-4 (KG)-US-	US6389055	09/050737		US	14-May-02	30-Mar-18	30-Mar-98	Integrating Digital Data With Perceptible Signals Method And Apparatus For Interactive Language
	NP	US7149690	09/392844	20030028378	US	12-Dec-06	9-Sep-19	9-Sep-99	Instruction
Aukia 1-9-14-14-7 (P)	Aukia 1-9-14-14-7 (P)-US-NP	US6594268	09/266622		US	15-Jul-03	11-Mar-19	11-Mar-99	Adaptive Routing System And Method For QOS Packet Networks
	Avidor 5-1 (D)-US-NP	US6127972	09/069325		US	3-Oct-00	29-Apr-18	29-Apr-98	Technique For Wireless Communications Using A Multi-Sector Antenna Arrangement
Avidor 7-2-1 (D)	Avidor 7-2-1 (D)-US-NP	US6654612	09/607499		US	25-Nov-03	30-Jun-20	30-Jun-00	Distributed Channel Assignment Method
Axenfeld 1 (RR)	Axenfeld 1 (RR)-US-NP	US5 <del>99</del> 1886	08/929710		US	23-Nov- <del>99</del>	15-Sep-17	15-Sep-97	Portable Electronic Device Having A Travel Mode For Use When Demonstrating Operability Of The Device To Security Personnel
									Portable Electronic Device Having A Travel Mode For
Axenfeld 1 (RR)	Axenfeld 2 (RR)-US-CNT	US6269448	09/416515		US	31-Jul-01	15-Sep-17	8-Oct-99	Use When Demonstrating Operability Of The Device To Security Personnel
Aydin 1-1-1-1-1-41 (O)	Aydin 1-1-1-1-1-41 (O)-CN-NP	ZL200810161131 .2	200810161131.2	101374347	CN	25-Jun-14	13-Aug-28	13-Aug-08	Method And Apparatus For Radio Link Failure Recovery In A Wireless Communications Network
Aydin 1-1-1-1-1-41 (O)	Aydin 1-1-1-1-1-41 (O)-DE-EPA	EP2026610	07291011.0	EP2026610	DE	26-Feb-14	14-Aug-27	14-Aug-07	Method And Apparatus For Radio Link Failure Recovery In A Wireless Communications Network
Aydin 1-1-1-1-1-41 (O)	Aydin 1-1-1-1-1-41 (O)-FR-EPA	EP2026610	07291011.0	EP2026610	FR	26-Feb-14	14-Aug-27	14-Aug-07	Method And Apparatus For Radio Link Failure Recovery In A Wireless Communications Network
	Aydin 1-1-1-1-1-41 (O)-GB-EPA		07291011.0	EP2026610	GB	26-Feb-14	14-Aug-27	14-Aug-07	Method And Apparatus For Radio Link Failure Recovery In A Wireless Communications Network
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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	application Number	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	TITLE
Aydin 1-1-1-1-1-41 (O)	Aydin 1-1-1-1-1-41 (O)-KR-PCT	KR101462064	20107003269		KR	10-Nov-14	21-Jul-28	21-Jul-08	Method And Apparatus For Radio Link Failure Recovery In A Wireless Communications Network
Aydin 1-1-1-1-1-41 (O)	Aydin 1-1-1-1-1-41 (O)-US-NP	US8054806	12/221904	20090046578	US	8-Nov-11	20 Aug 29	7 Aug 09	Method And Apparatus For Radio Link Failure Recovery In A Wireless Communications Network
Aydin 1-1-1-1-1-1-41 (O) Aykin 1 (T)	Aykin 1 (T)-US-NP	US6516301	09/304294	20090046378	US	4-Feb-03	20-Aug-28 3-May-19	7-Aug-08 3-May-99	Order-Based Material Management System
Aytur 2-8 (TS)	Aytur 2-8 (TS)-US-NP	US7095994	10/305584		US	22-Aug-06	20-Feb-24	27-Nov-02	Method And Apparatus For Dynamic Biasing Of Baseband Circuitry In A Communication System Receiver
Avtur 3-9 (TS)	Aytur 3-9 (TS)-US-NP	US7206557	10/338198	20040132424	US	17-Apr-07	16-May-24	8-Jan-03	Method And Apparatus For Suppressing Local Oscillator Leakage In A Wireless Transmitter
, , , ,	, ,		-	20010132121				23-Dec-99	Method And Apparatus For Shortening The Critical Path Of Reduced Complexity Sequence Estimation
Azadet 10-2 (K)	Azadet 10-2 (K)-US-NP	US6999521	09/471920		US	14-Feb-06	23-Dec-19		Techniques
Azar 24 (K) Azar 27 (K)	Azar 24 (K)-US-NP Azar 27 (K)-US-NP	US6538885 US6452799	09/662995 09/662423		US US	25-Mar-03 17-Sep-02	15-Sep-20 15-Sep-20	15-Sep-00 15-Sep-00	Electronic Circuit Cooling With Impingement Plate Integrated Circuit Cooling System
Baals 12-14 (KA)	Baals 12-14 (KA)-US-NP	US6813347	09/828985	20020146107	US	2-Nov-04	10-Apr-21	10-Apr-01	Selective Call Waiting
Bachl 2-6-2 (R)	Bachi 2-6-2 (R)-KR-NP	KR501617	20020029503		KR	6-Jul-05	28-May-22	28-May-02	A method For Improving Receivers For The 3GPP Standard By Employing Coded Control-Symbols As Additional Pilot Symbols A method For Improving Receivers For The 3GPP
Bachl 2-6-2 (R)	Bachl 2-6-2 (R)-JP-NP	JP4017 <del>9</del> 17	2002147 <del>9</del> 77		JP	28-Sep-07	22-May-22	22-May-02	Standard By Employing Coded Control-Symbols As Additional Pilot Symbols
Bachl 8-28-24-12 (RW)	Bachl 8-28-24-12 (RW)-CN-PCT	ZL200680030327 .7	200680030327.7	CN101278587A	CN	24-Sep-14	16-Aug-26	16-Aug-06	Method For Reducing Discarded Slots And Frames In A Wireless Communications System Method For Reducing Discarded Slots And Frames In
Bachi 8-28-24-12 (RW)	Bachl 8-28-24-12 (RW)-EP-EPT		06789770.2	EP1917826	EP		16-Aug-26	16-Aug-06	A Wireless Communications System
Bachi 8-28-24-12 (RW)	Bachl 8-28-24-12 (RW)-JP-PCT	JP4847529	2008527979	2009506637	JP	21-Oct-11	16-Aug-26	16-Aug-06	Method For Reducing Discarded Slots And Frames In A Wireless Communications System
Bachl 8-28-24-12 (RW)	Bachl 8-28-24-12 (RW)-US-NP	US7558229	11/212131	20070076644	US	7-Jul-09	25-Aug-25	25-Aug-05	Method For Reducing Discarded Slots And Frames In A Wireless Communications System
Baeyens 4-65-10 (YL) Bagga 1-1-1-1-1-1-3-1	Baeyens 4-65-10 (YL)-US-NP Bagga 1-1-1-1-1-1-1-1-3-1 (YS)-	US8081050	12/392924	20100214040	US	20-Dec-11	29-Dec-29	25-Feb-09	Multilayer Planar Tunable Filter Inter-Domain Network Management System For
(YS)	US-NP	US7197546	09/520133		US	27-Mar-07	7-Mar-20	7-Mar-00	Multi-Layer Networks
Bailey 1-4-1-5-11-1-2-1 (L)	Bailey 1-4-1-5-11-1-2-1 (L)-US- NP	US7936675	11/565772	20080130501	US	3-May-11	13-Mar-28	1-Dec-06	Bandwidth Packing Rate Controller For Optimizing Resource Utilization
Bair 5-10-18 (HE)	Bair 5-10-18 (HE)-US-NP	US6016696	09/162486		US	25-Jan-00	25-Sep-18	25-Sep-98	Method For Determining Volume Changes In Viscous Liquids
									Automatic Protocol Version Detection And Call Processing Reconfiguration In A Communication
Baker 23-2 (AD) Baker 26 (AD)	Baker 23-2 (AD)-US-NP Baker 26 (AD)-US-NP	US7099333 US7269177	09/800684 10/298704	20020172220 20040095946	US US	29-Aug-06 11-Sep-07	5-Aug-23 4-Oct-25	7-Mar-01 18-Nov-02	System Logical Star Topologies For Non-Star Networks
Baker 4-2-5 (TW)	Baker 4-2-5 (TW)-US-NP	US6163563	08/997715		US	19-Dec-00	23-Dec-17	23-Dec-97	Digital Communication System for High-Speed Complex Correlation
Baker 5-3-2 (TW)	Baker 5-3-2 (TW)-US-NP	US6266331	09/108429		US	24-Jul-01	1-Jul-18	1-Jul-98	A Device For Generating Multiple Spreading Sequences In Reverse High Speed Data Channels
Baker 8-1 (BS)	Baker 8-1 (BS)-US-NP	US6282698	09/205813		US	28-Aug-01	4-Dec-18	4-Dec-98	Method For Detecting Similarities In Java Sources From Bytecodes
Balachandran 15-43 (K)	Balachandran 15-43 (K)-US-NP	US7020185	09/724231		US	28-Mar-06	5-Jun-22	28-Nov-00	Method And Apparatus For Determining Channel Conditions In A Communication System
Balachandran 21-1-3-12 (K)	Balachandran 21-1-3-12 (K)-US- NP	US7054346	09/850124	20020164990	US	30-May-06	27-Aug-23	7-May-01	Enhanced Frequency Hopping In A Wireless System
Balachandran 22-2-1-2 (K)	Balachandran 22-2-1-2 (K)-US- NP	US7082153	10/251954	20040057501	US	25-Jul-06	29-Sep-24	23-Sep-02	Variable Spacing Pulse Position Modulation For Ultra- Wideband Communication Links
Balachandran 26-24-25-13 (K)	Balachandran 26-24-25-13 (K)- US-NP	US7304971	10/285413	20040085934	US	4-Dec-07	23-Aug-25	1-Nov-02	Flexible Transmission Method For Wireless Communications
Balachandran 3-10-2-25 (K)	Balachandran 3-10-2-25 (K)-IN- NP		241/MAS/99		IN		25-Feb-19	25-Feb-99	System And Method For Measuring Channel Quality Information in A Communication System
Balachandran 3-10-2-25 (K)	Balachandran 3-10-2-25 (K)-US- NP	US6215827	09/044636		US	10-Apr-01	19-Mar-18	19-Mar-98	System And Method For Measuring Channel Quality Information In A Communication System
	Balachandran 32-17-29-5-2 (K)- US-NP	US7734805	10/413401	20040210619	US	8-Jun-10	24-Aug-26	15-Apr-03	Method For Scheduling Transmission In Communication Systems
									Adaptive Sleeping And Awakening Protocol For An
Balachandran 33-6-13 (K)	Balachandran 33-6-13 (K)-US-NP	US/356561	10/426691	20040230638	US	8-Apr-08	19-Jun-25	1-May-03	Energy-Efficient ADHOC Network  Method Of Transmitting Broadcast-Multicast
Balachandran 38-22-35-12 (K)	Balachandran 38-22-35-12 (K)- US-NP	US7372823	10/805701	20050207365	US	13-May-08	9-Dec-25	22-Mar-04	Services Parameters Messages In A Wireless Communications System
Balachandran 57-19-4-59 (K)	Balachandran 57-19-4-59 (K)-CN- PCT	ZL200980136620 5	200980136620.5	102160446	CN	23-Sep-15	3-Sep-29	3-Sep-09	An Architecture To Support Network-Wide Multiple- In-Multiple-Out Wireless Communication Over An Uplink
Balachandran 57-19-4-59 (K)	Balachandran 57-19-4-59 (K)-EP- EPT		09789257.4	EP2335445	EP	·	3-Sep-29	3-Sep-09	An Architecture To Support Network-Wide Multiple- In-Multiple-Out Wireless Communication Over An Uplink
Balachandran 57-19-4-59	Balachandran 57-19-4-59 (K)-KR-			LF 2333443					An Architecture To Support Network-Wide Multiple- In-Multiple-Out Wireless Communication Over An
(K) Balachandran 6-1-2-2-11-1 (K)	PCT Balachandran 6-1-2-2-11-1 (K)- US-NP	KR101176377 US6532222	20117006102 09/186765		KR US	17-Aug-12 11-Mar-03	3-Sep-29 5-Nov-18	3-Sep-09 5-Nov-98	Uplink Apparatus And Methods For Improving The Assignment Of Parallel DemodulatorsTo Multipaths Of Wireless Signals
Baldwin 4-17-2-27 (KW)	Baldwin 4-17-2-27 (KW)-US-NP	US7439096	09/789397	20020155729	US	21-Oct-08	20-Jun-22	21-Feb-01	Semiconductor Device Encapsulation
Baldwin 4-2-53-5 (MS)	Baldwin 4-2-53-5 (MS)-US-NP	US7103635	09/770135	20020004820	US	5-Sep-06	4-Mar-23	26-Jan-01	Really Simple Mail Transport Protocol  Design, Fabrication And Operation Of Antennas For
Balents 1-2-1-1-1 (L)	Balents 1-2-1-1-1 (L)-US-NP	US6501963	09/378362		US	31-Dec-02	20-Aug-19	20-Aug-99	Diffusive Environments Apparatus And Method For Retrieving Data From A
Ball 4-1 (TJ) Ball 8-7-7-2-5-4 (TJ)	Ball 4-1 (TJ)-US-NP Ball 8-7-7-2-5-4 (TJ)-US-NP	US6222847 US6393107	08/999708 09/318140		US	24-Apr-01 21-May-02	8-Oct-17 25-May-19	8-Oct-97 25-May-99	Network Site  Method And Apparatus For Creating And Sending Structured Voicemail Messages
Balogh 1-1-11-8-2 (DA)	Balogh 1-1-11-8-2 (DA)-US-NP	US6535736	09/210019		US	18-Mar-03	11-Dec-18	11-Dec-98	Channel Access Control In Wireless Communications System
Bao 5-2 (Z)	Bao 19-28 (Z)-US-DIV	US6372532	09/754959		US	16-Apr-02	10-Jun-18	5-Jan-01	Patterned Light Emitting Diode Devices

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FAMILY	Case Reference	GRANT NUMBER	application Number	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	1111.6
									Method And Apparatus For Intra-Layer Transitions
	Baras 1-17-3 (T)-US-NP Baras 2-4 (T)-US-NP	US7013452 US7026885	10/395956 10/448824	20040188138	US US	14-Mar-06 11-Apr-06	24-Mar-23 12-Oct-23	24-Mar-03 30-May-03	And Connector Launch In Multilayer Circuit Boards Low-Loss Coupler
	Barbier 1-1 (J)-US-PCT	US6249441	09/445273		US	19-Jun-01	28-May-18	28-May-98	Support Frame For Electronic Plug-In Units
Barbier 2-2-2-1 (J)	Barbier 2-2-2-1 (J)-US-PCT	US6350950	09/445272		US	26-Feb-02	28-May-18	28-May-98	Electronic Plug-In Unit Which Includes An Improved Heat Dissipation Device
	Barclay 14-64-12-12-11 (DL)-US-	1157240505	40/047477	20050254520					System And Method For Routing Calls Using A
Barclay 14-64-12-12-11 (DL)	Barclay 22-97-20-19-18 (DL)-US-	US7248686	10/847177	20050254638	US	24-Jul-07	17-May-24	17-May-04	Universal Access Phone Number
Barclay 22-97-20-19-18 (DL)	NP	US6987843	10/954460		US	17-Jan-06	30-Sep-24	30-Sep-04	Network Support For Fax Retry Blocking Systems And Methods For Visualizing Multi-
	Barg 1-2-32-1-2-1-1-1 (TA)-US- NP	US6707454	09/415923		US	16-Mar-04	12-Oct-19	12-Oct-99	Dimensional Data In Spreadsheets And Other Data Structures
(WE)	Barker 1-1-1-1-1-2-2-1-1 (WE)- US-NP	US6363421	09/088463		US	26-Mar-02	31-May-18	31-May-98	Method For Computer Internet Remote Mangement Of A Telecommunication Network Element
Barker 1-1-1-1-2-2-1-1 (WE)	Barrett 1-4-4 (GR)-US-CIP	US6782420	09/321483		US	24-Aug-04	31-May-18	27-May-99	Telecommunications Network With A Distributive Network Management System
Barnett 2-1-2-4-3 (RL)	Barnett 2-1-2-4-3 (RL)-US-NP	US6189848	09/352812		US	20-Feb-01	13-Jul-19	13-Jul-99	Fastener With Intergral Spring Clip
Darriett 2-1-2-4-3 (RE)	Darriett 2-1-2-4-3 (RE)-03-14F	030183848	03/332012		0.5	20-165-01	13-341-19	13-301-93	Interpolator, A Resampler Employing The
Barnette 1 (JD)	Barnette 1 (JD)-US-NP	US6970511	09/650850		US	29-Nov-05	21-Mar-23	29-Aug-00	Interpolator And Method Of Interpolating A Signal Associated Therewith Resampler For A Bit Pump And Method Of
Barnette 2-2 (JD)	Barnette 3-3 (JD)-US-CNT	US7542536	11/234361	20060023821	US	2-Jun-09	2-May-21	23-Sep-05	Resampling A Signal Associated Therewith
Barnette 2-2 (JD)	Barnette 2-2 (JD)-US-NP	US6973146	09/652116		US	6-Dec-05	7-Oct-22	29-Aug-00	Resampler For A Bit Pump And Method Of Resampling A Signal Associated Therewith
									Method Of Forming A Coded Composite Transport
	Barry 2-1-1-1 (MP)-US-NP Barshefsky 1-1-1-1-14-1-1-1 (A)-	US7352723	10/422838	20040213183	US	1-Apr-08	4-Apr-26	25-Apr-03	Channel For Downlink Transmissions System And Method For Analyzing And Displaying
	US-NP	US6385609	09/298756		US	7-May-02	23-Apr-19	23-Apr-99	Switch Output
									Method And Apparatus For Determining Whether
Parehafala 2 2 1 1 5 2 2 (A)	Barshefsky 2-2-1-1-5-2-2 (A)-US-	US6393101	09/431741		US	21-May-02	1-Nov-19	1-Nov-99	The Advance State Of A Telecommunications Switch Is Adequate For A Software Upgrade
Barshefsky 2-2-1-1-5-2-2 (A)	Nr	020323101	09/431741		US	21-Way-02	1-1404-13	1-1404-99	is Adequate for A software opgrade
Bartlett 12-14 (CS)	Bartlett 12-14 (CS)-US-NP	US6163610	09/055481		US	19-Dec-00	6-Apr-18	6-Apr-98	Telephonic Handset Apparatus Having An Earpiece Monitor And Reduced Inter-User Variability
	Bartter 1-20-2-1-1-1 (WD)-DE-								Network-Based Electronic Commerce System
	EPA Bartter 1-20-2-1-1-1 (WD)-FR-	EP1416456	03255060.0	EP1416456	DE	23-Nov-05	14-Aug-23	14-Aug-03	Incorporating Prepaid Service Offerings  Network-Based Electronic Commerce System
Bartter 1-20-2-1-1-1 (WD)	EPA	EP1416456	03255060.0	EP1416456	FR	23-Nov-05	14-Aug-23	14-Aug-03	Incorporating Prepaid Service Offerings
	Bartter 1-20-2-1-1-1 (WD)-GB- EPA	EP1416456	03255060.0	EP1416456	GB	23-Nov-05	14-Aug-23	14-Aug-03	Network-Based Electronic Commerce System Incorporating Prepaid Service Offerings
Barve 1-10-4-16-1-4 (RD)	Barve 1-10-4-16-1-4 (RD)-US-NP	US6260108	09/110114		US	10-Jul-01	2-Jul-18	2-Jul-98	A System And Method For Modeling And Optimizing I/O Throughput of Multiple Disks On A Bus
Barve 2-12-5-19-2-5 (RD)	Barve 2-12-5-19-2-5 (RD)-US-NP	US6301640	09/110110	20010013084	US	9-Oct-01	2-Jul-18	2-Jul-98	System And Method For Modeling And Optimizing I/O Throughput Of Multiple Disks On A Bus
Baryshnikov 3-3-2-4 (Y)	Baryshnikov 3-3-2-4 (Y)-EP-EPT		08795046.5	EP2193496	EP		5-Aug-28	5-Aug-08	Meeting Optimizer
Barzegar 13-1-1-2-1-1-24-	Barzegar 13-1-1-2-1-1-24-23 (F)-			112133133					Protocol Converter And Router For Multi-Mode
23 (F)	KR-NP	KR274295	9734741		KR	8-Sep-00	24-Jul-17	24-Jul-97	Wireless Data Communications  Method And Apparatus For Controlling Curvatures Of
Basavanhally 35-28 (NR)	Basavanhally 35-28 (NR)-US-NP	US7649670 ZL200510089423	11/245761	20070079922	US	19-Jan-10	30-Jul-28	7-Oct-05	Microlenses And Micromirrors
Baskaran 1-1-6-2 (N)	Baskaran 1-1-6-2 (N)-CN-NP	.6	200510089423.6	CN1731769A	CN	5-May-10	5-Aug-25	5-Aug-05	Digital Delay Buffers And Related Methods
Baskaran 1-1-6-2 (N)	Baskaran 1-1-6-2 (N)-DE-EPA	EP1624601	05254818.7	EP1624601	DE	23-Jan-08	2-Aug-25	2-Aug-05	Digital Delay Buffers And Related Methods
Baskaran 1-1-6-2 (N)	Baskaran 1-1-6-2 (N)-FR-EPA	EP1624601	05254818.7	EP1624601	FR	23-Jan-08	2-Aug-25	2-Aug-05	Digital Delay Buffers And Related Methods
Baskaran 1-1-6-2 (N)	Baskaran 1-1-6-2 (N)-GB-EPA	EP1624601	05254818.7	EP1624601	GB	23-Jan-08	2-Aug-25	2-Aug-05	Digital Delay Buffers And Related Methods
Baskaran 1-1-6-2 (N)	Baskaran 1-1-6-2 (N)-JP-NP	JP4673697	2005227356	2006050641	JP	28-Jan-11	5-Aug-25	5-Aug-05	Digital Delay Buffers And Related Methods
	Baskaran 1-1-6-2 (N)-US-NP Bassani 1-1 (EJ)-US-NP	US8762600 US7744324	10/911726 11/133598	20060028902 20060263172	US US	24-Jun-14 29-Jun-10	10-Aug-28 4-May-27	5-Aug-04 20-May-05	Digital Delay Buffers And Related Methods  A Cup Washer For A Fastener
									Finger Assignment System For A Multiple Finger
	Basso 1 (J)-DE-EPA	EP0896438	98305815.7		DE	11-Oct-00	21-Jul-18	21-Jul-98	Receiver and Method Thereof Finger Assignment System For A Multiple Finger
	Basso 1 (J)-FI-EPA	EP0896438	98305815.7		FI	11-Oct-00	21-Jul-18	21-Jul-98	Receiver and Method Thereof Finger Assignment System For A Multiple Finger
Basso 1 (J)	Basso 1 (J)-FR-EPA	EP0896438	98305815.7		FR	11-Oct-00	21-Jul-18	21-Jul-98	Receiver and Method Thereof Finger Assignment System For A Multiple Finger
Basso 1 (J)	Basso 1 (J)-SE-EPA	EP0896438	98305815.7		SE	11-Oct-00	21-Jul-18	21-Jul-98	Receiver and Method Thereof
Basso 1 (J)	Basso 1 (J)-US-NP	US6345078	08/903626		US	5-Feb-02	31-Jul-17	31-Jul-97	Finger Assignment System For A Multiple Finger Receiver and Method Thereof
Basu 2-1-4-5-22 (A)	Basu 2-1-4-5-22 (A)-US-NP	US7180864	10/085568	20030174653	US	20-Feb-07	21-Sep-24	27-Feb-02	Method And Apparatus For Exchanging Routing Information Within An Autonomous System In A Packet-Based Data Network
									Method And Apparatus For Reducing The Number Of Write Operations During Route Updates In Pipelined
Basu 5-6 (A)	Basu 5-6 (A)-US-NP	US7171490	10/246204	20040054806	US	30-Jan-07	25-Jan-25	18-Sep-02	Forwarding Engines  Method And Apparatus For Performing Network
Basu 6-1-3 (A)	Basu 6-1-3 (A)-US-NP	US7260064	10/269671	20040071082	US	21-Aug-07	17-Aug-25	11-Oct-02	Routing Based On Queue Lengths Method And Apparatus For Performing Network
Basu 7-7-6 (A)	Basu 7-7-6 (A)-US-NP	US7356033	10/301242	20040100950	US	8-Apr-08	18-Nov-25	21-Nov-02	Routing With Use Of Power Efficient TCAM-Based Forwarding Engine Architectures
		US7580512	11/168633	20070003032					Selection Of Incoming Call Screening Treatment
Batni 10-8 (RP)	Batni 10-8 (RP)-US-NP	03/300312	11/100033	20070003032	US	25-Aug-09	18-Dec-27	28-Jun-05	Based On Emotional State Criterion  Control Service Employment Of Offer Message From Resource Server To Determine Whether To Add
Batni 13-1-11 (RP)	Batni 13-1-11 (RP)-US-NP	U57844044	11/173966	20070005747	US	30-Nov-10	18-Jan-29	30-Jun-05	Indication Of The Resource Server To Resource Server Mapping Table
									Call Triggering To One Or More Service Nodes Upon
Batni 4-5-3 (RP)	Batni 4-5-3 (RP)-US-NP	US7376419	10/767101	20050164707	US	20-May-08	27-Jul-25	28-Jan-04	Receipt Of Initial Trigger Response

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

	CASE	GRANT	ARREICATEON	RUBLECATION		ISSUE	EXPERATION	PARREIGATION	
FAMILY	REFERENCE	NUMBER	NUMBER	NUMBER	COUNTRY	DATE	DATE	DATE	<b>非环止</b> Selection Of Ringback Tone Indicative Of Emotional
Batni 6-3 (RP)	Batni 6-3 (RP)-IN-NP	IN276200	1839/CHE/2005	1839/CHE/2005	IN	4-Oct-16	15-Dec-25	15-Dec-05	State That Is Input By User Of Called Communication Device
Batni 6-3 (RP)	Batni 6-3 (RP)-JP-NP	JP4908841	2005362561	2006174478	JP	20-Jan-12	16-Dec-25	16-Dec-05	Selection Of Ringback Tone Indicative Of Emotional State That Is Input By User Of Called Communication Device
Bauli 0°3 (KF)	Batti 0-3 (KF)-3F-14F	31-4308041	2003302301	2000174478	Jr.	20-341-12	10*Dec*23	10-Dec-03	Selection Of Ringback Tone Indicative Of Emotional State That Is Input By User Of Called Communication
Batní 6-3 (RP)	Batni 6-3 (RP)-NZ-NP	NZ544098	544098	1535	NZ	13-Sep-07	12-Dec-25	12-Dec-05	Device Selection Of Ringback Tone Indicative Of Emotional
Batni 6-3 (RP)	Batni 6-3 (RP)-US-NP	US8036361	11/015609	20060147021	US	11-Oct-11	7-Jan-28	17-Dec-04	State That Is Input By User Of Called Communication Device
Battaglia 2-26-59 (F)	Battaglia 2-26-59 (F)-CN-NP	ZL200510091580 .0	200510091580.0	CN1741678A	CN	12-May-10	23-Aug-25	23-Aug-05	An Extended Cellular Telephony Protocol
Battaglia 2-26-59 (F)	Battaglia 2-26-59 (F)-DE-EPA	EP1631020	05255105.8	EP1631020	DE	26-Jan-11	18-Aug-25	18-Aug-05	An Extended Cellular Telephony Protocol
Battaglia 2-26-59 (F)	Battaglia 2-26-59 (F)-FR-EPA	EP1631020	05255105.8	EP1631020	FR	26-Jan-11	18-Aug-25	18-Aug-05	An Extended Cellular Telephony Protocol
Battaglia 2-26-59 (F)	Battaglia 2-26-59 (F)-GB-EPA	EP1631020	05255105.8	EP1631020	GB	26-Jan-11	18-Aug-25	18-Aug-05	An Extended Cellular Telephony Protocol
Battaglia 2-26-59 (F)	Battaglia 2-26-59 (F)-JP-NP	JP4813848	2005240844	2006074762	JP	2-Sep-11	23-Aug-25	23-Aug-05	An Extended Cellular Telephony Protocol
Battaglia 2-26-59 (F)	Battaglia 2-26-59 (F)-KR-NP	KR101212971	20050077388		KR	11-Dec-12	23-Aug-25	23-Aug-05	An Extended Cellular Telephony Protocol
Battaglia 2-26-59 (F)	Battaglia 2-26-59 (F)-US-NP	US8249106	10/924115	20060039349	US	21-Aug-12	24-May-28	23-Aug-04	Extended Cellular Telephony Protocol  Wall-Mountable Support Bracket For A Component
Batten 1 (MV)	Batten 1 (MV)-US-NP	US7469867	11/445861	20070278367	US	30-Dec-08	13-Jun-26	2-Jun-06	Unit Of A Base Station For Wireless Telecommunications, And Method Of Hoisting The Component Unit
Bauer 1-5-1 (MG)	Bauer 1-5-1 (MG)-US-NP	US7496066	11/022328	20060140143	US	24-Feb-09	21-May-26	23-Dec-04	Managing Mobility Of Wireless Devices In Distributed Communication Networks
Baulier 2-2-1-1-9-1-46-1 (GD)	Baulier 2-2-1-1-9-1-46-1 (GD)-US NP	US6496831	09/276339		US	17-Dec-02	25-Mar-19	25-Mar-99	Real-Time Event Processing System For Telecommunications And Other Applications
Baumann 1-1-5-63 (FH)	Baumann 1-1-5-63 (FH)-US-NP	US6751377	09/861840		US	15-Jun-04	21-May-21	21-May-01	Micromechanically Active Reconfigurable Optical Add-Drop Filters
Baumann 1-1-5-63 (FH)	Baumann 3-5-9-66 (FH)-US-CIP	US6970619	10/403872	20050074209	US	29-Nov-05	23-Jul-21	31-Mar-03	Mechanically Tunable Optical Devices Such As Interferometers
Baumann 2-8 (FH)	Baumann 2-8 (FH)-US-NP	US6810166	10/299132	20040096146	US	26-Oct-04	19-Nov-22	19-Nov-02	Optical Waveguide Switch
Baxter 10-1-3 (LA)	Baxter 10-1-3 (LA)-US-NP	US7107356	10/081311	20020129166	US	12-Sep-06	24-Apr-24	21-Feb-02	Translator For Enabling Logical Partitioning Of A Network Switch A System And Method For Integrating Policy
Bayley 1-1-57-1-1 (JS)	Bayley 1-1-57-1-1 (JS)-EP-EPT		07762782.6	EP1980077	EP		30-Jan-27	30-Jan-07	Management Into Converged Prepaid /Postpaid Telecommunications Services
Beacken 3-3-1-1-1 (MJ)	Beacken 3-3-1-1-1 (MJ)-US-NP	US6072536	08/959580		US	6-Jun-00	29-Oct-17	29-Oct-97	Method And Apparatus For Generating Composite Images
Bean 1 (JR)	Bean 1 (JR)-US-NP	US6584590	09/374256		US	24-Jun-03	13-Aug-19	13-Aug-99	JTAG Port-Sharing Device Method And Apparatus For Use In Specifying And
Bearden 3-5-3-3 (MJ)	Bearden 3-5-3-3 (MJ)-US-NP	US6732168	09/610631		US	4-May-04	13-Dec-21	5-Jul-00	Insuring Policies For Management Of Computer Networks
Beasley 1-1-1-1-8 (DB)	Beasley 1-1-1-1-8 (DB)-US-NP	US8762950	12/178745	20100023930	US	24-Jun-14	6-May-31	24-Jul-08	Software Tool For Scenario-Based Code Inspections Voice Over IP System Recovery Apparatus For Service
Beauford 4 (KD)	Beauford 4 (KD)-US-NP	US8040796	12/221217	20100027416	US	18-Oct-11	14-Jan-29	31-Jul-08	And Packet Groups Based On Failure Detection Thresholds
Beck 3-16 (EC)	Beck 3-16 (EC)-US-NP	US7230910	09/772359	20020101825	US	12-Jun-07	4-Feb-24	30-Jan-01	Optimal Channel Sounding System
Becker 2 (DC) Bedrosian 2 (PS)	Becker 2 (DC)-US-NP Bedrosian 2 (PS)-US-NP	US8245203 US6574245	11/771986 09/219230	20090007065	US US	14-Aug-12 3-Jun-03	12-Jun-31 23-Dec-18	29-Jun-07 23-Dec-98	Logging System And Method For Computer Software Enhanced Synchronization Status Messaging
Bedrosian 3 (PS) Bedrosian 5 (PS)	Bedrosian 3 (PS)-US-NP Bedrosian 5 (PS)-US-NP	US6362909 US7183863	09/047247 09/175521		US US	26-Mar-02 27-Feb-07	24-Mar-18 20-Oct-18	24-Mar-98 20-Oct-98	Line Powering Shelf For Data Transmission Line Self-Initializing Frequency Detector
Beger 1-9-1-1 (A)	Beger 1-9-1-1 (A)-US-NP	US6911645	10/383911	20040173731	US	28-Jun-05	24-Dec-23	7-Mar-03	DWDM Channel Detection System
Beitman 3 (BA)	Beitman 3 (BA)-US-NP	US7464101	11/401809		US	9-Dec-08	11-Jan-27	11-Apr-06	Fuzzy Alphanumeric Search Apparatus And Method
Bejerano 25-17 (Y)	Bejerano 25-17 (Y)-US-NP	US8243585	12/546762	20110051726	US	14-Aug-12	8-May-30	25-Aug-09	Method And Apparatus For Fault-Resilient Multicast Using Mutiple Sources
Bejerano 3-16-1-49-1 (Y)	Bejerano 3-16-1-49-1 (Y)-US-NP	US7409459	10/672535	20050091350	US	5-Aug-08	7-Jun-26	26-Sep-03	System And Method For Provisioning QOS Paths With Restoration In A Network
Bejerano 6-6 (Y) Bell 1-1 (MR)	Bejerano 6-6 (Y)-US-NP Bell 1-1 (MR)-US-NP	US7477610 US6128191	10/788458 09/196730	20050190701	US US	13-Jan-09 3-Oct-00	2-Aug-26 20-Nov-18	1-Mar-04 20-Nov-98	Methods And Devices For Coordinating The Transmissions Of Access Points In WLANs Heat Sink With Integral Self-Locking Clamp
Den I I (imiy	Benco 102-69-72-93-68 (DS)-US-	0.00120131	03/130/30		35	3 500 55	25 1107 10	23 1101 30	Method And Apparatus For Providing Multiple Simultaneous VOIP Call Sessions For A Single
Benco 102-69-72-93-68 (DS)	NP Benco 109-28-78-100 (DS)-US-	US7653046	11/013732	20060133345	US	26-Jan-10	25-Nov-28	16-Dec-04	Directory Number
Benco 109-28-78-100 (DS)	CNT Benco 119-35-86-109 (DS)-US-	US7805138	12/583912	20090318141	US	28-Sep-10	27-Aug-29	27-Aug-09	Network Support For Roaming Optimization
Benco 119-35-86-109 (DS)	NP Benco 146-56-106-132 (DS)-US-	US7221931	11/112247	20060238607	US	22-May-07	15-May-25	22-Apr-05	Network Support For Electronic Passports  Network Support For RF Backhaul For Very Remote
(,	NP Benco 149-58-108-134 (DS)-EP- EPT	US7706803	11/172546	20070004418	US	27-Apr-10	14-Jul-25	30-Jun-05	Base Stations  Noticeally Support For Enhanced VolD Caller ID
Benco 149-58-108-134 (DS) Benco 19-13-13-13 (DS)	Benco 19-13-13-13 (DS)-US- NP	US7215969	06827412.5 10/623627	EP1946535 20050020284	EP US	8-May-07	2-Nov-26 29-Jul-24	2-Nov-06 21-Jul-03	Network Support For Enhanced VoIP Caller ID  Method For Dead Zone Data Collection Using Mobile Station
Benco 34-25-25-28-25 (DS)	Benco 34-25-25-28-25 (DS)-US- NP	US7415456	10/697577	20050097131	US	19-Aug-08	7-Jun-25	30-Oct-03	Network Support For Caller Identification Based On Biometric Measurement
Benco 55-41-41-50-41 (DS)	Benco 55-41-41-50-41 (DS)-US- NP	US7224974	10/739560	20050148335	US	29-May-07	26-Jul-24	18-Dec-03	Network Support For Per User Packet Data Throughput
Benco 71-49-49-66-49 (DS)	Benco 71-49-49-66-49 (DS)-US- NP	US7103346	10/818030	20050221854	US	5-Sep-06	3-Nov-24	5-Apr-04	Satellite And Cellular Usage Characteristics Determination
Benco 74-51-51-68-51 (DS)	Benco 74-51-51-68-51 (DS)-US- NP	US7526270	10/836290	20050245230	US	28-Apr-09	6-Nov-24	30-Apr-04	Selecting One Of A Plurality Of Service Providers To Handle A Communication Session  Peopl Time Transmission Of A Video Returnen Mobile
Benco 77-52-52-69-52 (DS)	Benco 77-52-52-69-52 (DS)-US- NP	US8010119	10/835676	20050246742	US	30-Aug-11	5-Dec-28	30-Apr-04	Real-Time Transmission Of A Video Between Mobile Stations
Benco 84-58-58-75-58 (DS)	Benco 84-58-58-75-58 (DS)-US- NP	US7254395	10/859490	20050272427	US	7-Aug-07	6-May-25	2-Jun-04	Request To Mobile Station To Change To Common Mode Of Communication Upon Entry Into Zone
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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	CASE REFERENCE	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	TITLE
Benedikt 9-10-8-1 (MA)	Benedikt 9-10-8-1 (MA)-US-NP	US7716322	10/252210	20040059809	US	11-May-10	30-Oct-28	23-Sep-02	Automatic Exploration and Testing of Dynamic Web Sites
Benesty 13-1-2 (J)	Benesty 13-1-2 (J)-US-NP	US7136437	10/196865	20040013212	US	14-Nov-06	5-Oct-24	17-Jul-02	Method And Apparatus For Receiving Digital Wireless Transmissions Using Multiple-Antenna Communication Schemes
	Benet 6-12-16-2-2 (RB)-US-NP	US7426666	10/848496	20050262402	US	16-Sep-08	4-Jul-26	18-May-04	Noisy Channel Emulator For High Speed Data
	Bennett 4-16-26-18 (AJ)-IN-PCT		724/CHENP/2009	724/CHENP/2009	IN		20-Mar-27	20-Mar-07	Voice Call Continuity Between GSM/UMTS CS Domain And 3GPP LTE
	Bennett 4-16-26-18 (AJ)-US-PCT	US8976757	12/309969	20090296654	US	10-Mar-15	4-Jul-30	20-Mar-07	Call Continuity
	Bennett 6-28-2-3 (AJ)-EP-EPT		09776708.1	EP2292049	EP		10-Jun-29	10-Jun-09	On Explicit Indication Of Bearers To Be Subject To Voice Call Continuity
	Bennett 6-28-2-3 (AJ)-IN-PCT		8025/CHENP/2010		IN		10-Jun-29	10-Jun-09	On Explicit Indication Of Bearers To Be Subject To Voice Call Continuity
	Bennett 6-28-2-3 (AJ)-JP-PCT	JP5174237	2011513925	2011524706	JP	11-Jan-13	10-Jun-29	10-Jun-09	On Explicit Indication Of Bearers To Be Subject To Voice Call Continuity
Bennett 6-28-2-3 (AJ)	Bennett 6-28-2-3 (AJ)-US-PCT	US8934356	12/999797	20110158121	US	13-Jan-15	10-Jun-29	10-Jun-09	Explicit Indication Of Bearers Subject To Voice Call Continuity
	Benz 1-1 (KK)-US-NP	US6048212	09/044658		US	11-Apr-00	19-Mar-18	19-Mar-98	Radio Frequency Connector
Benz 3-6-13 (A)	Benz 3-6-13 (A)-US-NP	US7508577	11/093010	20060221436	US	24-Mar-09	20-Jul-25	29-Mar-05	Method And System For Suppressing ASE Noise Deliberate Signal Degradation For Optimizing
Benz 5-4-2 (A)	Benz 5-4-2 (A)-US-NP	US7609981	11/221068	20070053688	US	27-Oct-09	2-Jan-28	7-Sep-05	Receiver Control Loops  Method And Apparatus For Signaling Over Packet-
Berenbaum 6-8-16 (AD)	Berenbaum 6-8-16 (AD)-US-NP	US6404782	09/157825		US	11-Jun-02	21-Sep-18	21-Sep-98	Based Systems Method And Apparatus For Performing
	Berenzweig 1 (AL)-US-NP Berenzweig 2-1-18-1-11-7 (AL)-	US6584310	09/073870		US	24-Jun-03	7-May-18	7-May-98	Authentication in Communication Systems
	US-NP	US6266412	09/097782		US	24-Jul-01	15-Jun-18	15-Jun-98	Encrypting Speech Coder  Method For Establishing A Key Using Over-The-Air
Poronaucia E E /AL)	Poronauraia E E/AL) DE EDA	ED0077206	D030E706 6	ED0077206	DE	12 Oct 04	20 10 10	20 tul 00	Communication And PasswordProtocol And
Berenzweig 5-5 (AL)	Berenzweig 5-5 (AL)-DE-EPA	EP0977396	99305706.6	EP0977396	DE	13-Oct-04	20-Jul-19	20-Jul-99	Password Protocol Method For Establishing A Key Using Over-The-Air
Berenzweig 5-5 (AL)	Berenzweig 5-5 (AL)-FR-EPA	EP0977396	99305706.6	EP0977396	FR	13-Oct-04	20-Jul-19	20-Jul-99	Communication And PasswordProtocol And Password Protocol
									Method For Establishing A Key Using Over-The-Air Communication And PasswordProtocol And
Berenzweig 5-5 (AL)	Berenzweig 5-5 (AL)-GB-EPA	EP0977396	99305706.6	EP0977396	GB	13-Oct-04	20-Jul-19	20-Jul-99	Password Protocol Method For Establishing A Key Using Over-The-Air
Berenzweig 5-5 (AL)	Berenzweig 5-5 (AL)-US-NP	US6192474	09/127769		US	20-Feb-01	31-Jul-18	31-Jul-98	Communication And PasswordProtocol And Password Protocol
Berger 1-1-1-1 (M)	Berger 1-1-1-1 (M)-US-NP	US6021245	09/124272		US	1-Feb-00	29-Jul-18	29-Jul-98	NONE
Berger 5-5-4-1-3-3 (M)	Berger 5-5-4-1-3-3 (M)-US-NP	US7065160	10/042594	20030128779	US	20-Jun-06	30-Jan-24	9-Jan-02	Method And Apparatus For Correcting The Phase Of A Clock In A Data Receiver
Bergmann 49-3-2 (EE)	Bergmann 49-3-2 (EE)-US-NP	U56049412	09/158670		US	11-Apr-00	22-Sep-18	22-Sep-98	Reflective Faraday-Based Optical Devices Including An Optical Monitoring Tap
									Method And Apparatus For Random Access Packet Transmission By Performing Load Control
Bernhard 6-35-17 (UP)	Bernhard 6-35-17 (UP)-DE-EPA	EP1331767	02250557.2		DE	4-Apr-07	28-Jan-22	28-Jan-02	Functionality Method And Apparatus For Random Access Packet
Bernhard 6-35-17 (UP)	Bernhard 6-35-17 (UP)-FR-EPA	EP1331767	02250557.2		FR	4-Apr-07	28-Jan-22	28-Jan-02	Transmission By Performing Load Control Functionality
									Method And Apparatus For Random Access Packet Transmission By Performing Load Control
Bernhard 6-35-17 (UP)	Bernhard 6-35-17 (UP)-GB-EPA	EP1331767	02250557.2		GB	4-Apr-07	28-Jan-22	28-Jan-02	Functionality Establishing Or Releasing A Radio Connection
Bernhard 8-5 (UP)	Bernhard 8-5 (UP)-JP-NP	JP4828874	2005198400	2006025432	JP	22-Sep-11	7-Jul-25	7-Jul-05	Between A Mobile And A Cell For Wireless Telecommunications
									Establishing Or Releasing A Radio Connection Between A Mobile And A Cell For Wireless
Bernhard 8-5 (UP)	Bernhard 8-5 (UP)-US-NP	US7239875	10/886181	20060009158	US	3-Jul-07	28-Aug-25	7-Jul-04	Telecommunications Establishing Or Releasing A Radio Connection
Bernhard 8-5 (UP)	Bernhard 8-5 (UP)-DE-EPA	EP1615459	05254040.8	EP1615459	DE	1-Oct-08	29-Jun-25	29-Jun-05	Between A Mobile And A Cell For Wireless Telecommunications
									Establishing Or Releasing A Radio Connection Between A Mobile And A Cell For Wireless
Bernhard 8-5 (UP)	Bernhard 8-5 (UP)-FR-EPA	EP1615459	05254040.8	EP1615459	FR	1-Oct-08	29-Jun-25	29-Jun-05	Telecommunications Establishing Or Releasing A Radio Connection
Bernhard 8-5 (UP)	Bernhard 8-5 (UP)-GB-EPA	EP1615459	05254040.8	EP1615459	GB	1-Oct-08	29-Jun-25	29-Jun-05	Between A Mobile And A Cell For Wireless Telecommunications
Bessis 3-3-3 (T)	Bessis 3-3-3 (T)-US-NP	US7644165	11/141546	20060268857	US	5-Jan-10	5-Sep-28	31-May-05	Method And Apparatus For SIP Messaging
Bestwick 10-5-19-9 (GS)	Bestwick 10-5-19-9 (GS)-GB-NP	GB2354819	GB9922934.6	GB2354819	GB	10-Oct-01	28-Sep-19	28-Sep- <del>99</del>	Cabinet For Units Which dissipate Heat
Bestwick 4-12-4-3 (GS)	Bestwick 4-12-4-3 (GS)-GB-NP	GB2354378	GB9921728.3	GB9921728.	GB	29-Aug-01	14-Sep-19	14-Sep-99	Non-Interruptable Power Supply
Bestwick 6-2-14-5 (GS)	Bestwick 6-2-14-5 (GS)-GB-NP	GB2354066	9921094.0		GB	18-Jul-01	7-Sep-19	7-Sep-99	Cabinet For Units Which Dissipate Heat
Bestwick 7-16-6 (GS)	Bestwick 7-16-6 (GS)-GB-NP	GB2354379	GB9921732.5	GB2354379	GB	29-Aug-01	14-Sep-19	14-Sep-99	Air Conditioning With Brush
	Bestwick 9-4-18-8 (GS)-GB-NP Bhalla 1-3 (KS)-US-NP	GB2354316 US6327059	GB9921715.0 09/098568	GB9921715.	GB US	12-Sep-01 4-Dec-01	14-Sep-19 17-Jun-18	14-Sep-99 17-Jun-98	Cabinet For Units Which Dissipate Heat Optical Signal Processing Modules
	Bhandari 5-1-2 (R)-US-NP	US7809080	11/617144	20080157870	US	5-Oct-10	27-Mar-29	28-Dec-06	Strategically Selecting Data Captures For Signal Predistortion
	Bhatoolaul 10-23-2-9 (DL)-AU- NP	AU748635	71666/00		AU	19-Sep-02	17-Nov-20	17-Nov-00	Data Packet Length Indication For Mobile Telecommunications Systems
	Bhatoolaul 10-23-2-9 (DL)-DE- EPA	EP1104207	99309327.7	EP1104207	DE	3-Aug-05	23-Nov-19	23-Nov-99	Data Packet Length Indication For Mobile Telecommunications Systems
	Bhatoolaul 10-23-2-9 (DL)-FI-EPA		99309327.7	EP1104207	FI	3-Aug-05	23-Nov-19	23-Nov-99	Data Packet Length Indication For Mobile Telecommunications Systems
	Bhatoolaul 10-23-2-9 (DL)-FR- EPA	EP1104207	99309327.7	EP1104207	FR	3-Aug-05	23-Nov-19	23-Nov-99	Data Packet Length Indication For Mobile Telecommunications Systems
	Bhatoolaul 10-23-2-9 (DL)-GB- EPA	EP1104207	99309327.7	EP1104207	GB	3-Aug-05	23-Nov-19	23-Nov-99	Data Packet Length Indication For Mobile Telecommunications Systems
			20000069506	Cr 110+207	KR				Data Packet Length Indication For Mobile
	Bhatoolaul 10-23-2-9 (DL)-KR-NP					22-Aug-03	22-Nov-20	22-Nov-00	Telecommunications Systems  Data Packet Length Indication For Mobile  Telecommunications Systems
Bhatoolaul 10-23-2-9 (DL)	Bhatoolaul 10-23-2-9 (DL)-US-NP	US6956870	09/713129		US	18-Oct-05	9-Jan-23	15-Nov-00	Telecommunications Systems

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FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPURATION DATE	APPLICATION DATE	HTLE
Bhatoolaul 11-24-3-10 (DL)	Bhatoolaul 11-24-3-10 (DL)-US- NP	US6944178	09/713179		US	13-Sep-05	8-Jul-23	15-Nov-00	Mobile Telecommunications Systems
Bhatoolaul 12-26-4-11 (DL)	Bhatoolaul 12-26-4-11 (DL)-US- NP	US6788940	09/805094	20010046864	US	7-Sep-04	13-Mar-21	13-Mar-01	Cellular Mobile Telephone Network And Method Of Operating The Same
Bhatoolaul 3-15-3 (DL)	Bhatoolaul 8-21-7 (DL)-US-PCT	US6992998	09/936102		US	31-Jan-06	10-Dec-19	10-Dec-99	Improved Message Access For Radio Telecommunications System
Bhatoolaul 3-15-3 (DL)	Bhatoolaul 6-19-5 (DL)-DE-EPT	EP1159847	99959568.9		DE	7-Dec-05	10-Dec-19	10-Dec-99	Message Access For Radio Telecommunications Systems
Bhatoolaul 3-15-3 (DL)	Bhatoolaul 6-19-5 (DL)-FR-EPT	EP1159847	99959568.9		FR	7-Dec-05	10-Dec-19	10-Dec-99	Message Access For Radio Telecommunications Systems
Bhatoolaul 3-15-3 (DL)	Bhatoolaul 6-19-5 (DL)-GB-EPT	EP1159847	99959568.9		GB	7-Dec-05	10-Dec-19	10-Dec-99	Message Access For Radio Telecommunications Systems
Bhatoolaul 3-15-3 (DL)	Bhatoolaul 7-20-6 (DL)-DE-EPT	EP1159848	99959576.2	EP1159848	DE	27-Jun-07	10-Dec-19	10-Dec-99	Message Access For Radio Telecommunications System
Bhatoolaul 3-15-3 (DL)	Bhatoolaul 7-20-6 (DL)-FR-EPT	EP1159848	99959576.2	EP1159848	FR	27-Jun-07	10-Dec-19	10-Dec-99	Message Access For Radio Telecommunications System
Bhatoolaul 3-15-3 (DL)	Bhatoolaul 7-20-6 (DL)-GB-EPT	EP1159848	99959576.2	EP1159848	GB	27-Jun-07	10-Dec-19	10-Dec-99	Message Access For Radio Telecommunications System
Bhatoolaul 3-15-3 (DL)	Bhatoolaul 7-20-6 (DL)-US-PCT	US7076262	09/936101	11133040	US	11-Jul-06	10-Dec-19	10-Dec-99	Message Access For Radio Telecommunications System
Bhatoolaul 3-15-3 (DL)	Bhatoolaul 8-21-7 (DL)-DE-EPT	EP1159840	99959575.4	EP1159840	DE	2-Jul-08	10-Dec-19	10-Dec-99	Improved Message Access For Radio
. ,	, ,								Telecommunications System Improved Message Access For Radio
Bhatoolaul 3-15-3 (DL)	Bhatoolaul 8-21-7 (DL)-FR-EPT	EP1159840	99959575.4	EP1159840	FR	2-Jul-08	10-Dec-19	10-Dec-99	Telecommunications System Improved Message Access For Radio
Bhatoolaul 3-15-3 (DL)	Bhatoolaul 8-21-7 (DL)-GB-EPT	EP1159840	99959575.4	EP1159840	GB	2-Jul-08	10-Dec-19	10-Dec-99	Telecommunications System  Message Access For Radio Telecommunications
Bhatoolaul 3-15-3 (DL)	Bhatoolaul 6-19-5 (DL)-US-PCT	US6944456	09/936038		US	13-Sep-05	10-Dec-19	10-Dec-99	Systems  Code Division Multiple Access System Having
Bhatoolaul 4-16 (DL)	Bhatoolaul 4-16 (DL)-US-NP	US7286500	10/019702		US	23-Oct-07	22-Sep-22	6-Jun-00	Improved Pilot Channels Methodology of Reducing Areas With Multiple
Bi 14-10-7-1-8 (Q)	Bi 14-10-7-1-8 (Q)-TW-NP	TWNI-118267	87120832	399377	TW	21-Jul-00	28-Jan-19	28-Jan-99	Dominant Pilots By Installing Simulcasting Elements Or Omni-Directional Base Station
5/1/10/10/07	5.11.107.107.207.11	111111111111111111111111111111111111111	07120002	33377		2130.00	20 3011 13	20 3011 33	Methodology of Reducing Areas With Multiple Dominant Pilots By Installing Simulcasting Elements
Bi 14-10-7-1-8 (Q)	Bi 14-10-7-1-8 (Q)-DE-EPA	EP0926914	98309851.8	EP0926914	DE	2-Mar-16	1-Dec-18	1-Dec-98	Or Omni-Directional Base Station
									Methodology of Reducing Areas With Multiple Dominant Pilots By Installing Simulcasting Elements
Bi 14-10-7-1-8 (Q)	Bi 14-10-7-1-8 (Q)-FR-EPA	EP0926914	98309851.8	EP0926914	FR	2-Mar-16	1-Dec-18	1-Dec-98	Or Omni-Directional Base Station Methodology of Reducing Areas With Multiple
Bi 14-10-7-1-8 (Q)	Bi 14-10-7-1-8 (Q)-GB-EPA	EP0926914	98309851.8	EP0926914	GB	2-Mar-16	1-Dec-18	1-Dec-98	Dominant Pilots By Installing Simulcasting Elements Or Omni-Directional Base Station
									Methodology Of Reducing Areas With Multiple
Bi 14-10-7-1-8 (Q)	Bi 23-41-30-3-39 (Q)-US-CNT	US7006485	09/990468	20020036999	US	28-Feb-06	8-Jul-19	21-Nov-01	Dominant Pilots By Installing Simulcasting Elements Or Omni-Directional Base Station
Bi 15 (Q)	Bi 15 (Q)-US-NP	U56408418	09/181811		US	18-Jun-02	29-Oct-18	29-Oct-98	Reduced-State Device and Method For Decoding Data
Bi 15 (Q)	Bi 15 (Q)-KR-NP	KR606159	19990047500	20000047571	KR	21-Jul-06	29-Oct-19	29-Oct-99	
	Bi 29-18-2-5 (Q)-US-NP	US7400877	10/616553	20050009522	US		13-Nov-24		Reduced-State Device and Method For Decoding Data Method Of Supporting Multiple Service Levels In A Wireless Data Network
Bi 29-18-2-5 (Q)	BI 29-16-2-3 (Q)-U3-INP	037400877	10/616333	20030009322	US	15-Jul-08	15-1104-24	10-Jul-03	Controlling Transmission Power In A Reverse Link Of
Bi 42-18-19 (Q)	Bi 42-18-19 (Q)-US-NP		11/213328	20070049317	US		26-Aug-25	26-Aug-05	A Feedback-Based Spread Spectrum Wireless Network
Bi 54-10 (Q)	Bi 54-10 (Q)-EP-EPT		07754704.0	EP2002627	EP		30-Mar-27	30-Mar-07	Method Of Providing Pilot Signals For Uplink Power Control
Bi 57-36-4 (Q)	Bi 57-36-4 (Q)-CN-PCT	ZL80024433.9	200780024433.9	101480086A	CN	9-Nov-11	22-Jun-27	22-Jun-07	A Method Of Controlling Mobile Unit Response Messages On An Access Channel
Bi 57-36-4 (Q)	Bi 57-36-4 (Q)-IL-PCT	IL196104	196104		IL	29-May-13	22-Jun-27	22-Jun-07	A Method Of Controlling Mobile Unit Response Messages On An Access Channel
Bi 57-36-4 (Q)	Bi 57-36-4 (Q)-DE-EPT	EP2103156	07809841.5	EP2103156	DE	4-Jul-12	22-Jun-27	22-Jun-07	A Method Of Controlling Mobile Unit Response Messages On An Access Channel
Bi 57-36-4 (Q)	Bi 57-36-4 (Q)-FR-EPT	EP2103156	07809841.5	EP2103156	FR	4-Jul-12	22-Jun-27	22-Jun-07	A Method Of Controlling Mobile Unit Response Messages On An Access Channel
Bi 57-36-4 (Q)	Bi 57-36-4 (Q)-GB-EPT	EP2103156	07809841.5	EP2103156	GB	4-Jul-12	22-Jun-27	22-Jun-07	A Method Of Controlling Mobile Unit Response Messages On An Access Channel
Bi 57-36-4 (Q)	Bi 57-36-4 (Q)-TW-NP	TWI444080	096123539	200822768	TW	1-Jul-14	28-Jun-27	28-Jun-07	A Method Of Controlling Mobile Unit Response Messages On An Access Channel
Bi 57-36-4 (Q)	Bi 57-36-4 (Q)-KR-PCT	KR101048283	20087031514	200022700	KR		22-Jun-27	22-Jun-07	A Method Of Controlling Mobile Unit Response Messages On An Access Channel
				20000001050		5-Jul-11			A Method Of Controlling Mobile Unit Response
Bi 57-36-4 (Q)	Bi 57-36-4 (Q)-US-NP	US7660606	11/427639	20080004050	US	9-Feb-10	2-Oct-27	29-Jun-06	Messages On An Access Channel Method And Apparatus For Scheduling Packets In An
Bi 60-13 (Q)	Bi 60-13 (Q)-US-NP	US8203955	11/820890	20080316928	US	19-Jun-12	21-May-29	21-Jun-07	Orthogonal Frequency Division Multiple Access (OFDMA) System
Biles 2-5-1-3-6 (PJ)	Biles 2-5-1-3-6 (PJ)-US-NP	US6566269	09/616845		US	20-May-03	14-Jul-20	14-Jul-00	Removal Of Post-Etch Residuals On Wafer Surface
Bilicska 1-1-2 (CJ)	Bilicska 1-1-2 (CJ)-US-NP	US6016058	08/942526		US	18-Jan-00	3-Oct-17	3-Oct-97	In-Service Wiring Verification Circuitry
Birnie 1-1-1-1 (WK)	Birnie 1-1-1-1 (WK)-DE-EPA	EP1079652	00306932.5	EP1079652	DE	20-Oct-10	14-Aug-20	14-Aug-00	Enhanced Roaming Notification Of Call Handoffs
Birnie 1-1-1-1 (WK)	Birnie 1-1-1-1 (WK)-FR-EPA	EP1079652	00306932.5	EP1079652	FR	20-Oct-10	14-Aug-20	14-Aug-00	Enhanced Roaming Notification Of Call Handoffs
Birnie 1-1-1-1 (WK)	Birnie 1-1-1-1 (WK)-GB-EPA	EP1079652	00306932.5	EP1079652	GB	20-Oct-10	14-Aug-20	14-Aug-00	Enhanced Roaming Notification Of Call Handoffs
Birnie 1-1-1-1 (WK)	Birnie 1-1-1-1 (WK)-US-NP	US7184765	09/384646		US	27-Feb-07	27-Aug-19	27-Aug-99	Enhanced Roaming Notification Of Call Handoffs
Bischoff 1-1 (TW)	Bischoff 1-1 (TW)-US-NP	US6718377	09/526011		US	6-Apr-04	15-Mar-20	15-Mar-00	An Extensible Operational Support System Interface
Bishop 36-189-4-1 (DJ)	Bishop 36-189-4-1 (DJ)-CA-NP	CA2323025	2323025		CA	29-Jul-03	6-Oct-20	6-Oct-00	Non-Volatile MEMS Micro-Relays Using Magnetic Actuators
				ED1002141					Non-Volatile MEMS Micro-Relays Using Magnetic
Bishop 36-189-4-1 (DJ)	Bishop 36-189-4-1 (DJ)-DE-EPA	EP1093141	00308867.1	EP1093141	DE	15-Dec-04	9-Oct-20	9-Oct-00	Actuators Non-Volatile MEMS Micro-Relays Using Magnetic
Bishop 36-189-4-1 (DJ)	Bishop 36-189-4-1 (DJ)-FR-EPA	EP1093141	00308867.1	EP1093141	FR	15-Dec-04	9-Oct-20	9-Oct-00	Actuators Non-Volatile MEMS Micro-Relays Using Magnetic
Bishop 36-189-4-1 (DJ)	Bishop 36-189-4-1 (DJ)-GB-EPA	EP1093141	00308867.1	EP1093141	GB	15-Dec-04	9-Oct-20	9-Oct-00	Actuators Non-Volatile MEMS Micro-Relays Using Magnetic
Bishop 36-189-4-1 (DJ)	Bishop 36-189-4-1 (DJ)-US-NP	US6124650	09/418874		US	26-Sep-00	15-Oct-19	15-Oct-99	Actuators

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	CASE	GRANT	APPLICATION	PUBLICATION		ISSUE		APPLICATION	
	reference	NUMBER	NUMBER	NUMBER	COUNTRY		DATE	DATE	TETLE Methods And Systems For Efficient Multicast Across
Bitar 7-11-1 (N)	Bitar 7-11-1 (N)-US-NP	US8213421	10/838782	20050243825	US	3-Jul-12	17-Feb-29	3-May-04	A Mesh Backplane Improved Arrangement For Public Safety Answering
Blair 1-7-1-7-2-5 (MR)	Blair 1-7-1-7-2-5 (MR)-US-NP	US6101240	09/174363		US	8-Aug-00	15-Oct-18	15-Oct-98	Points  Method And Apparatus For Compressing Rabin
Bleichenbacher 5 (D)	Bleichenbacher 5 (D)-US-NP	US7593526	10/763601	20050163314	US	22-Sep-09	5-Jul-28	23-Jan-04	Signatures
Bleisteiner 14-5-4 (BM)	Bleisteiner 14-5-4 (BM)-JP-PCT	JP5078878	2008508887	2008539662	JP	7-Sep-12	10-Apr-26	10-Apr-06	Method And Apparatus For Synchronous Switching Of Optical Transport Network Signals
Bleisteiner 14-5-4 (BM)	Bleisteiner 14-5-4 (BM)-US-NP	US7711007	11/116510	20060245450	US	4-May-10	11-Aug-27	28-Apr-05	Method And Apparatus For Synchronous Switching Of Optical Transport Network Signals
Bleisteiner 14-5-4 (BM)	Bleisteiner 14-5-4 (BM)-EP-EPT		06749549.9	EP1875643	EP		10-Apr-26	10-Apr-06	Method And Apparatus For Synchronous Switching Of Optical Transport Network Signals
Bleisteiner 5-5-1-1 (BM)	Bleisteiner 5-5-1-1 (BM)-US-NP	US6920149	09/865065	20020018493	US	19-Jul-05	29-Aug-23	24-May-01	
	Blodgett 12 (JR)-US-NP	US6268768	09/450993	20020018493	US	31-Jul-01	29-Nov-19	29-Nov-99	Digital Data Transmission System Amplifier Having Linear Characteristics
Blood 2-2-1-1 (ML)	Blood 2-2-1-1 (ML)-US-NP	US6202067	09/056499		US	13-Mar-01	7-Apr-18	7-Apr-98	Method And Apparatus For Correct And Complete Transactions In A Fault Tolerant Distributed Database System
Blott 3-2-1 (SM)	Blott 3-2-1 (SM)-US-NP	US6449618	09/276340		US	10-Sep-02	25-Mar-19	25-Mar-99	Real-Time Event Processing System With Subscription Model
Blott 6-9-6 (SM)	Blott 6-9-6 (SM)-US-NP	US6721314	09/316118		US	13-Apr-04	20-May-19	20-May-99	Method And Apparatus For Applying Once-Only Processing In A Data Network
	Blumberg 11-5 (G)-US-NP	US7830142	11/474831	20070296410	US	9-Nov-10	25-Feb-29	26-Jun-06	Tuning Fork Magnetometer
	Blumberg 4-3-3-14-9-4-3-2-1-4-	05/050142	11/1/1031	20070230410	- 55	3 1107 10	23 100 23	20301100	A Method And Apparatus For Providing Call
	2-4 (MR)-US-NP	US7653068	10/864583	20060007913	US	26-Jan-10	6-Sep-28	9-Jun-04	Admission Control In Packet Networks
									Noninvasive Load And Pressure Sensor System Utilizing the Principle of Refraction of Light Through
	Blyler 42-6-71 (LL)-US-NP	US6016703	09/197651		US	25-Jan-00	23-Nov-18	23-Nov-98	a Compressible Fluid
Bobadilla 7-1 (OJ)	Bobadilla 7-1 (OJ)-TW-NP	TWNI-134583	88107347	TW441215	TW	18-Jun-01	6-May-19	6-May-99	Adjustable Height Ground Level Serviceable Cellsite.
Bobadilla 7-1 (OJ)	Bobadilla 7-1 (OJ)-DE-EPA	EP0969679	99304916.2	EP0969679	DE	22-Oct-03	23-Jun-19	23-Jun-99	Adjustable Height Ground Level Serviceable Cellsite.
Bobadilla 7-1 (OJ)	Bobadilla 7-1 (OJ)-FI-EPA	EP0969679	99304916.2	EP0969679	FI	22-Oct-03	23-Jun-19	23-Jun-99	Adjustable Height Ground Level Serviceable Cellsite.
Bobadilla 7-1 (OJ)	Bobadilla 7-1 (OJ)-FR-EPA	EP0969679	99304916.2	EP0969679	FR	22-Oct-03	23-Jun-19	23-Jun-99	Adjustable Height Ground Level Serviceable Cellsite.
Bobadilla 7-1 (OJ)	Bobadilla 7-1 (OJ)-GB-EPA	EP0969679	99304916.2	EP0969679	GB	22-Oct-03	23-Jun-19	23-Jun-99	Adjustable Height Ground Level Serviceable Cellsite.
Bobadilla 7-1 (OJ)	Bobadilla 7-1 (OJ)-SE-EPA	EP0969679	99304916.2	EP0969679	SE	22-Oct-03	23-Jun-19	23-Jun-99	Adjustable Height Ground Level Serviceable Cellsite.
Bobadilla 7-1 (OJ)	Bobadilla 7-1 (OJ)-KR-NP	KR603717	19990025112	20000006540	KR	14-Jul-06	29-Jun-19	29-Jun-99	Adjustable Height Ground Level Serviceable Cellsite.
Bobadilla 7-1 (OJ)	Bobadilla 7-1 (OJ)-US-NP	US6134422	09/109241		US	17-Oct-00	30-Jun-18	30-Jun-98	Adjustable Height Ground Level Serviceable Cellsite.
									Method And Apparatus For Transmitting Information Simultaneously To Multiple Destinations Over Shared
Boccardi 1-18-1 (F)	Boccardi 1-18-1 (F)-EP-EPT		08743043.5	EP2149203	EP		18-Apr-28	18-Apr-08	Wireless Resources
Bodnar 3-12-2-3 (BL)	Bodnar 3-12-2-3 (BL)-DE-EPA	EP0977403	99305716.5	EP0977403	DE	3-Apr-02	20-Jul-19	20-Jul-99	A Large Packet Switch Router
Bodnar 3-12-2-3 (BL)	Bodnar 3-12-2-3 (BL)-FR-EPA	EP0977403	99305716.5	EP0977403	FR	3-Apr-02	20-Jul-19	20-Jul-99	A Large Packet Switch Router
Bodnar 3-12-2-3 (BL)	Bodnar 3-12-2-3 (BL)-GB-EPA	EP0977403	99305716.5	EP0977403	GB	3-Apr-02	20-Jul-19	20-Jul-99	A Large Packet Switch Router
Bodnar 3-12-2-3 (BL)	Bodnar 3-12-2-3 (BL)-US-NP	US6310878	09/124874		US	30-Oct-01	30-Jul-18	30-Jul-98	A Large Packet Switch Router
Bodnar 3-12-2-3 (BL)	Bodnar 3-12-2-3 (BL)-JP-NP	JP3449539	11210764		JP	11-Jul-03	26-Jul-19	26-Jul-99	A Large Packet Switch Router
Bodnar 4-13-3-4 (BL)	Bodnar 4-13-3-4 (BL)-US-NP	US6324176	09/092666		US	27-Nov-01	5-Jun-18	5-Jun-98	Switching Internet Traffic Through Digital Switches Having A Time Slot Interchange Network
Bogantz 1-2-2 (RL)	Bogantz 1-2-2 (RL)-US-NP	US6243715	09/188493		US	5-Jun-01	9-Nov-18	9-Nov-98	Ubiquitous Data Synchronization for Replicated Databases
									Transaction State Data Replication by Transaction
Bogantz 2-1-3 (RL)	Bogantz 2-1-3 (RL)-US-NP	US6347322	09/188465		US	12-Feb-02	9-Nov-18	9-Nov-98	Forwarding in Replicated Database Systems
Bogdan 2-1-1-1 (BJ) Bohannon 7-3-17-2-30-10	Bogdan 2-1-1-1 (BJ)-US-NP Bohannon 7-3-17-2-30-10 (PL)-	US7562345	10/648909	20070050479	US	14-Jul-09	26-Apr-26	27-Aug-03	Firmware Management Tool System And Method For Physically Versioning Data In
	US-NP	US6122645	09/002635		US	19-Sep-00	5-Jan-18	5-Jan-98	A Main Memory Database
									Method For Making A Call In A Multiple Bit-Rate
Boissel 1-1-2-1 (G)	Boissel 1-1-2-1 (G)-US-NP	US6625210	09/459045		US	23-Sep-03	10-Dec-19	10-Dec-99	Channel, Corresponding Bit-Rate Switching Procedure And Transmission Network
Boivin 1-5-21 (L)	Boivin 1-5-21 (L)-US-NP	US6137611	08/937299		US	24-Oct-00	27-Sep-17	27-Sep-97	Suppression Of Coherent Rayleigh Noise In Bidirectional Communication Systems
,,								·	High-Capacity Chirped-Pulse Wavelength-Division
Boivin 2-31-22-5 (L)	Boivin 2-31-22-5 (L)-US-NP	US6141127	09/027055		US	31-Oct-00	20-Feb-18	20-Feb-98	Multiplexed Communication Method And Apparatus Apparatus, Method And System For Intelligent
Boland 6-17-1 (RR)	Boland 6-17-1 (RR)-US-NP	US6876738	09/591471		US	5-Apr-05	9, hun 20	9-Jun-00	Tandeming Of Incoming Calls To Application Nodes In Telecommunication Systems
BOIRNU 0-17-1 (KK)	polanu 0-17-1 (KK)-US-NY	U3U0/0/38	03/3314/1		US	J-Apr-U5	9-Jun-20	5-Jun-00	·
									Apparatus, Method And System For Message-Based Intelligent Tandeming Of Incoming Calls To
	Boland 8-2-15-2 (RR)-US-NP	US6956939	09/591472		US	18-Oct-05	9-Nov-21	9-Jun-00	Application Nodes In Telecommunication Systems System And Method For Pathological Pattern
	Boles 4-9 (GM)-US-NP Bolle 12 (CA)-JP-NP	US8259944 JP4874496	12/214051 2002185554	20090313697	US JP	4-Sep-12 2-Dec-11	26-Jun-30 26-Jun-22	16-Jun-08 26-Jun-02	Protection Method For Making Micro Lenses
	Bolle 12 (CA)-US-NP	US6926850	09/916011	20030020188	US	9-Aug-05	4-Dec-22	26-Jul-01	Method For Making Micro Lenses
Bolle 15-15 (CA)	Bolle 15-15 (CA)-US-NP	US6912081	10/095820	20030174383	US	28-Jun-05	12-Mar-22	12-Mar-02	Optical Micro-Electromechanical Systems (MEMS) Devices And Methods Of Making Same
Bolle 18-6-12 (CA)	Bolle 18-6-12 (CA)-US-NP	US7254034	11/013054	20060126309	US	7-Aug-07	15-Sep-25	15-Dec-04	Thermal Management For Shielded Circuit Packs
Bolle 19 (CA)	Bolle 19 (CA)-JP-NP Bolle 19 (CA)-US-NP	JP5099977 US7701694	2005108158 10/817986	2005291699 20050217467	JP US	5-Oct-12 20-Apr-10	5-Apr-25 14-Jan-27	5-Apr-05 5-Apr-04	Armament Fuse Arrangement Armament Fuse Arrangement
DOILG 12 (CV)	DOUG 12 (CM)-02-IAL	03//01094	10/01/300	20030217467	1 05	20-Apr-10	14-Jan-2/	J-Apr-U4	I Armament ruse Arrangement

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY F	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	11115
Bolle 29-24 (CA) B	Bolle 29-24 (CA)-US-NP	US7932727	12/058859	20090243625	US	26-Apr-11	27-Mar-29	31-Mar-08	Test Structure To Monitor The Release Step In A Micromachining Process
	Bolle 34-31 (CA)-US-NP	US8828520	12/165880	20100003460	US	9-Sep-14	1-Jul-28	1-Jul-08	Micro-Posts Having Improved Uniformity And A Method Of Manufacture Thereof
Bollenz 1-2-11 (B) B	Bollenz 1-2-11 (B)-US-NP	US7242701	11/058331	20060182157	US	10-Jul-07	8-Jan-26	15-Feb-05	Laser Wavelength Control Arrangement And Method Method And Apparatus For Determining Whether A
Bolliger 6-5-1-5 (BD)	Bolliger 6-5-1-5 (BD)-AU-NP	AU752350	36790/99		AU	16-Jan-03	25-Jun-19	25-Jun-99	Wireless Station Is Operating Within A Prescribed Geographic Region
Bolliger 0-3-1-3 (BB)	Boniger 6-3-1-3 (BB)-AG-141	A0732330	30730733		A0	10-3417-03	25-3011-15	23-5011-33	Method And Apparatus For Determining Whether A
Bolliger 6-5-1-5 (BD) B	Bolliger 6-5-1-5 (BD)-DE-EPA	EP0982962	99304964.2	EP0982962	DE	20-Jun-01	23-Jun-19	23-Jun-99	Wireless Station Is Operating Within A Prescribed Geographic Region
									Method And Apparatus For Determining Whether A Wireless Station Is Operating Within A Prescribed
Bolliger 6-5-1-5 (BD) B	Bolliger 6-5-1-5 (BD)-FI-EPA	EP0982962	99304964.2	EP0982962	FI	20-Jun-01	23-Jun-19	23-Jun- <del>99</del>	Geographic Region
									Method And Apparatus For Determining Whether A Wireless Station Is Operating Within A Prescribed
Bolliger 6-5-1-5 (BD) B	Bolliger 6-5-1-5 (BD)-FR-EPA	EP0982962	99304964.2	EP0982962	FR	20-Jun-01	23-Jun-19	23-Jun-99	Geographic Region  Method And Apparatus For Determining Whether A
Dalliana C.E. 1.E. (DD)	D-15 C E 1 E (DD) CE EDA	EDODBORGO	00204064.2	ED000020C2	er.	20 1 01	22 1 10	22 1 00	Wireless Station Is Operating Within A Prescribed
Bolliger 6-5-1-5 (BD) B	Bolliger 6-5-1-5 (BD)-SE-EPA	EP0982962	99304964.2	EP0982962	SE	20-Jun-01	23-Jun-19	23-Jun-99	Geographic Region Method And Apparatus For Determining Whether A
Bolliger 6-5-1-5 (BD) B	Bolliger 6-5-1-5 (BD)-KR-NP	KR311674	19990025111		KR	27-Sep-01	29-Jun-19	29-Jun-99	Wireless Station Is Operating Within A Prescribed Geographic Region
	, ,					'			Method And Apparatus For Determining Whether A
Bolliger 6-5-1-5 (BD) B	Bolliger 6-5-1-5 (BD)-US-NP	US5969679	09/108336		US	19-Oct-99	30-Jun-18	30-Jun-98	Wireless Station Is Operating Within A Prescribed Geographic Region
									Method And Apparatus For Provisioning Distribution
Bolling 1 (AC)	Bolling 1 (AC)-US-NP	US7002991	09/635800		US	21-Feb-06	7-Aug-22	11-Aug-00	Channels In A Communications Network
Bontekoe 5-1 (HMH) B	Bontekoe 5-1 (HMH)-US-NP	US6078225	09/119551		US	20-Jun-00	21-Jul-18	21-Jul-98	Switching Algorithm For Clock Distribution Function
Bordogna 9-1-1 (MA)	Bordogna 9-1-1 (MA)-US-NP	US6683855	09/143781		US	27-Jan-04	31-Aug-18	31-Aug-98	Forward Error Correction For High Speed Optical Transmission Systems
									A Method Of Determining The Minimum Number Of Securing Points Required On an Electronic Isolation
									Shield To Sufficiently Secure The Shield To A Circuit
Borowiec 1-5-1 (JA) B	Borowiec 3-7-3 (JA)-US-DIV	US6266877	09/246065		US	31-Jul-01	29-Jul-17	8-Feb-99	Board Methods And Apparatus For Planning Wireless Data
Borst 14-19-4-8 (SC) B	Borst 14-19-4-8 (SC)-US-NP	US8099098	10/422286	20040214577	US	17-Jan-12	23-Jul-27	24-Apr-03	Networks Using Analytical Modeling Of User Level Performance
				20040214377					Switching Network Providing Multiple Timing Paths
Bortolini 11 (JR) B	Bortolini 11 (JR)-US-NP	US5999543	08/921673		US	7-Dec-99	29-Aug-17	29-Aug-97	for Port Circuits Synchronizing A Central Timing Unit To An External
Bortolini 12-11 (JR) B	Bortolini 12-11 (JR)-US-NP	US6163549	08/921677		US	19-Dec-00	29-Aug-17	29-Aug-97	Link Via A Switching Network
	Bortolini 13-1 (JR)-US-NP	US6005902	08/921676		US	21-Dec-99	29-Aug-17	29-Aug-97	Providing Timing to an External System
	Bortolini 14-7-72-1-16 (JR)-US- NP	US6262363	09/224601		US	17-Jul-01	31-Dec-18	31-Dec-98	Electromagnetic Shielding Method And Apparatus
	Bortolini 15-8-73-5-17 (JR)-US-								Arrangement For Enclosing A Fluid And Method Of
Bortolini 15-8-73-5-17 (JR) N	NP Bortolini 19-12-85-3-24 (JR)-US-	US6208511	09/224589		US	27-Mar-01	31-Dec-18	31-Dec-98	Manufacturing A Fluid Retaining Enclosure
Bortolini 15-8-73-5-17 (JR) C	CIP	US6304447	09/476024		US	16-Oct-01	31-Dec-18	31-Dec-99	Arrangement For Cooling An Electrical Assembly
	Bortolini 16-9-74-2-18 (JR)-US- NP	US6175501	09/224602		US	16-Jan-01	31-Dec-18	31-Dec-98	Method And Arrangement For Cooling An Electronic Assembly
Bortolini 20-13-87-4-27 (JR) N	Bortolini 20-13-87-4-27 (JR)-US-	US6938678	09/602037		US	6-Sep-05	13-Apr-22	23-Jun-00	Arrangement For Liquid Cooling An Electrical Assembly Using Assisted Flow
	Bortolini 2-9-3 (EJ)-US-NP Bortolini 5 (EJ)-US-NP	US6064669 US6687907	08/921675 09/642122		US US	16-May-00 3-Feb-04	29-Aug-17 18-Aug-20	29-Aug-97 18-Aug-00	Bit Sliced Digital Cross Connect Switching System Prevention Of Broadband Cable Service Theft
Bosacchi 5 (B) B	Bosacchi 5 (B)-US-NP	US6111424	08/923507		US	29-Aug-00	4-Sep-17	4-Sep-97	Testing Method And Apparatus For Flat Panel Displays
	Rosch 31-13-11 (P)-US-NP	1158451840	12/612293	20100135301	LIS	28-May-13	25-Nov-31	4-Nov-09	Mobility In IP Without Mobile IP
D03CH31-13-11(I)	503CH 31-13-11 (F)-03-14	030431040	12/012233	20100133301	0.5	20 May 15	25 1107 51	4-1404-05	Method Of Performing A Layer Operation In A
Bosch 4-4-9 (P) B	Bosch 4-4-9 (P)-US-NP	US8111698	11/094436	20060222010	US	7-Feb-12	6-Dec-26	31-Mar-05	Communications Network Method Of Performing A Layer Operation In A
Bosch 4-4-9 (P) B	Bosch 4-4-9 (P)-EP-EPT		06739163.1	EP1864474	EP		21-Mar-26	21-Mar-06	Communications Network Transmission Of Maintenance Information Of An
									Active Packet Connection Through Employment Of
	Botkin 4-4-15-10-6-4-5-5 (DJ)-US- NP	US7821940	10/818331	20050220028	US	26-Oct-10	26-Sep-26	5-Apr-04	Packets Communicated Over The Active Packet Connection
	Bouillet 4-22-21 (E)-US-DIV	US7165115	10/213480	20030101263	US	16-Jan-07	16-Nov-19	7-Aug-02	Measurement-Based Management Method For Packet Communication Networks
									Measurement-Based Management Method For
, ,	Bouillet 2-20-17 (E)-US-NP	US6954739	09/441693		US	11-Oct-05	16-Nov-19	16-Nov-99	Packet Communication Networks Measurement-Based Management Method For
	Bouillet 2-20-17 (E)-JP-NP Boulic 2 (C)-US-PCT	JP3694231 US6603963	2000349142 09/445946	2001189760	JP US	1-Jul-05 5-Aug-03	16-Nov-20 17-Jun-18	16-Nov-00 17-Jun-98	Packet Communication Networks Remote Loop-Back Device
	Boyce 1 (JM)-US-NP	US6343098	09/031035		US	29-Jan-02	26-Feb-18	26-Feb-98	Efficient Rate Control For Multi-Resolution Video Encoding
poyce I (Jivi)	poyce 1 (JIVI)-US-IVP	0.00343098	02/021022		US	43-J4N-UZ	20-rep-18	20-160-38	Method and Apparatus For Generating Selected
Boyce 2-3 (JM) B	Boyce 2-3 (JM)-US-NP	US6246801	09/036141		US	12-Jun-01	6-Mar-18	6-Mar-98	Image Views From A Larger Image Having Dependent Macroblocks
	Boyce 3 (JM)-US-NP	US6542693	09/087068	20010053276	US	1-Apr-03	29-May-18	29-May-98	Digital Video Playback With Trick Play Features
Boyer 1-1-1-2-1-4-1-1-4 B	Boyer 1-1-1-2-1-4-1-1-4 (GR)-US-			20010033270					
(GR) N	NP	US6154469	09/018982		US	28-Nov-00	5-Feb-18	5-Feb-98	A Voice Frequency Data Enhancement Method
Boyer 2-16 (DG) B	Boyer 2-16 (DG)-US-NP	US6337882	09/036143		US	8-Jan-02	6-Mar-18	6-Mar-98	Method And Apparatus For Generating Unlimited Selected Image Views From A Larger Image
50yei 2-10 (DG) B	BOYER 2-10 (DO)-OD-INF	550557662	55/050143		0.5	0-Jan-02	O-IVIAI*10	0-1VIGI-30	
ı	Boyle 2-1-3-8-1-9 (PJ)-US-NP	US6606305	09/199850		US	12-Aug-03	25-Nov-18	25-Nov-98	Apparatus, Method And System For Automatic Telecommunication Conferencing And Broadcasting
Boyle 2-1-3-8-1-9 (PJ) B				T .	Ι				
		US6351154	09/363528	20020000836	LIS	26-Feh-02	29-1::1-19	29-1::1-99	Phase Detector
	Brachmann 2-1 (M)-US-NP	US6351154	09/363528	20020000836	US	26-Feb-02	29-Jul-19	29-Jul-99	Phase Detector A Time-Frequency Method And Apparatus For Simulating The Initial Transient Response Of Quartz

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	TI LE
Bradley 1-42-18 (N)	Bradley 1-42-18 (N)-CN-NP	ZL200910258006 .8	200910258006.8	101754303	CN	25-Dec-13	9-Dec-29	9-Dec-09	Method For Identifying Handover Candidate Cell With High PSC Re-use In UMTS
Bradley 1-42-18 (N)	Bradley 1-42-18 (N)-DE-EPA	EP2197228	08291190.0	EP2197228	DE	12-Oct-11	12-Dec-28	12-Dec-08	Method For Identifying Handover Candidate Cell With High PSC Re-use In UMTS
Bradley 1-42-18 (N)	Bradley 1-42-18 (N)-FR-EPA	EP2197228	08291190.0	EP2197228	FR	12-Oct-11	12-Dec-28	12-Dec-08	Method For Identifying Handover Candidate Cell With High PSC Re-use In UMTS
Bradley 1-42-18 (N)	Bradley 1-42-18 (N)-GB-EPA	EP2197228	08291190.0	EP2197228	GB	12-Oct-11	12-Dec-28	12-Dec-08	Method For Identifying Handover Candidate Cell With High PSC Re-use In UMTS
									Method Of Identification Of A Femtocell Base Station
Bradley 1-42-18 (N)	Bradley 1-42-18 (N)-US-NP	US8345633	12/635239	20100150109	US	1-Jan-13	21-Sep-30	10-Dec-09	As A Handover Target, And Apparatus Therefor
Brady 1-2-1-2 (GM) Brady 2 (GM)	Brady 1-2-1-2 (GM)-US-NP Brady 2 (GM)-US-NP	US6283766 US6371769	09/726182 09/838019		US US	4-Sep-01 16-Apr-02	29-Nov-20 19-Apr-21	29-Nov-00 19-Apr-01	Magnetic Clamp Device Magnetic Clamp Adaptor
Brardjanian 1-1-1-9-6 (N)	Brardjanian 1-1-1-9-6 (N)-US-NP	US6590945	09/353009		US	8-Jul-03	13-Jul-19	13-Jul-99	Method And Apparatus For Frequency Offset Compensation
	Brardjanian 2-2-9-14-8 (N)-US-								Method And Apparatus For Sampling Timing
Brardjanian 2-2-9-14-8 (N)	NP	US6567480	09/371529		US	20-May-03	10-Aug-19	10-Aug-99	Adjustment And Frequency Offset Compensation
Brassil 1-1-15-7 (JT)	Brassil 1-1-15-7 (JT)-US-NP	US6086706	08/170619		US	11-Jul-00	11-Jul-17	20-Dec-93	Document Copying Deterrent Method  Dynamic Bandwidth Allocation In A Reservation
Brassil 3 (JT)	Brassil 3 (JT)-US-NP	US7143166	09/351597		US	28-Nov-06	12-Jul-19	12-Jul-99	System Electrochemical Process For Fabricating Article
Braun 1-18-4 (PV)	Braun 1-18-4 (PV)-DE-EPA	EP1030196	00300708.5	EP1030196	DE	24-Oct-01	31-Jan-20	31-Jan-00	Exhibiting Substantial Three-Dimensional Order And Resultant Article
							3.1		Electrochemical Process For Fabricating Article Exhibiting Substantial Three-Dimensional Order And
Braun 1-18-4 (PV)	Braun 1-18-4 (PV)-FR-EPA	EP1030196	00300708.5	EP1030196	FR	24-Oct-01	31-Jan-20	31-Jan-00	Resultant Article Electrochemical Process For Fabricating Article
Braun 1-18-4 (PV)	Braun 1-18-4 (PV)-GB-EPA	EP1030196	00300708.5	EP1030196	GB	24-Oct-01	31-Jan-20	31-Jan-00	Exhibiting Substantial Three-Dimensional Order And Resultant Article
DIAGIT 1-10-4 (FV)	DIAGITI-10-4 (FV)-OD-EFA	EF 1030130	00300708.3	LF 1030190	GE	24-001-01	31-3411-20	31-9811-00	Electrochemical Process For Fabricating Article Exhibiting Substantial Three-Dimensional Order And
Braun 1-18-4 (PV)	Braun 1-18-4 (PV)-US-NP	US6409907	09/248858		US	25-Jun-02	11-Feb-19	11-Feb-99	Resultant Article
Bream 3-90-14-21 (JL)	Bream 3-90-14-21 (JL)-DE-EPA	EP1096340	00309102.2	EP1096340	DE	29-Jun-11	16-Oct-20	16-Oct-00	Holographic Media
Bream 3-90-14-21 (JL)	Bream 3-90-14-21 (JL)-FR-EPA	EP1096340	00309102.2	EP1096340	FR	29-Jun-11	16-Oct-20	16-Oct-00	Holographic Media
Bream 3-90-14-21 (JL)	Bream 3-90-14-21 (JL)-GB-EPA	EP1096340	00309102.2	EP1096340	GB	29-Jun-11	16-Oct-20	16-Oct-00	Holographic Media
Bream 3-90-14-21 (JL)	Bream 3-90-14-21 (JL)-US-NP	US6160645	09/427421		US	12-Dec-00	26-Oct-19	26-Oct-99	Holographic Media
									Concurrency-Control Protocols For Management Of Replicated Data Items In A Distributed Database
Breitbart 2-2-29 (Y)	Breitbart 2-2-29 (Y)-US-NP	US5999931	08/953571		US	7-Dec-99	17-Oct-17	17-Oct-97	System
Breitbart 3-1 (Y)	Breitbart 3-1 (Y)-US-NP	US6963914	09/328657		US	8-Nov-05	9-Jun-19	9-Jun-99	Computer Implemented Method And Apparatus For Managing Replicated Files In A Network
Brent 1-1-1-16 (KW)	Brent 1-1-1-16 (KW)-US-NP	US6272358	09/090362		US	7-Aug-01	4-Jun-18	4-Jun-98	Vocoder By-pass For Digital Mobile - to - Mobile Calls
									System And Method For Optimally Configuring Border Gateway Selection For Transit Traffic Flows In
Bressoud 2-44-1 (TC)	Bressoud 2-44-1 (TC)-US-NP	US7197040	10/186761	20030142682	US	27-Mar-07	25-May-25	1-Jul-02	A Computer Network  Caller Line Identification For GSM And Wireless
Bright 1-1-1-1 (PL)	Bright 1-1-1-1 (PL)-US-NP	US6400947	09/035403		US	4-Jun-02	5-Mar-18	5-Mar-98	Communications Systems Multiple-Protocol Home Location Register And
Bright 4-1 (PL)	Bright 4-1 (PL)-JP-NP	JP4606686	2002053545		JP	15-Oct-10	28-Feb-22	28-Feb-02	Method Of Use Multiple-Protocol Home Location Register And
Bright 4-1 (PL)	Bright 4-1 (PL)-US-NP	US6950876	09/812401		US	27-Sep-05	13-May-23	19-Mar-01	Method Of Use  Method and Apparatus for Measuring Network
Brinkman 1-4 (TE)	Brinkman 1-4 (TE)-US-NP	US6683856	09/169596		US	27-Jan-04	9-Oct-18	9-Oct-98	Performance and Stress Analysis
Brockman 2-2 (RI)	Brockman 2-2 /RII-LIS-NP	US6546085	09/430510		LIS	8-Anr-03	29-Oct-19		System And Method To Enable A Calling Party To
Brockman 2-2 (KI) Brogle 1-7 (J)	Brogle 1-7 (J)-US-DP	USD498467	29/143225		US	8-Apr-03 16-Nov-04	16-Nov-18	8-Jun-01	Latch For Electronic Card Faceplates
Brooke 4 (JC)	Brooke 4 (JC)-US-NP	US5917308	08/929246		US	29-Jun-99	10-Sep-17	10-Sep-97	System And Method For Controlling Excessive Charging-Current In A Battery Power System
Brooks 2-5-3-2-7-2 (FC)	Brooks 4-9-5-5-8-4 (FC)-DE-EPA	EP69938387.0	99304806.5	EP1045540	DE	19-Mar-08	18-Jun-19	18-Jun-99	Packet Radio Network
Brooks 2-5-3-2-7-2 (FC)	Brooks 4-9-5-5-8-4 (FC)-FR-EPA	EP1045540	99304806.5	EP1045540	FR	19-Mar-08	18-Jun-19	18-Jun-99	Packet Radio Network
Brooks 2-5-3-2-7-2 (FC)	Brooks 4-9-5-5-8-4 (FC)-GB-EPA	EP1045540	99304806.5	EP1045540	GB	19-Mar-08	18-Jun-19	18-Jun-99	Packet Radio Network
Brouwer 1-29 (WL)	Brouwer 1-29 (WL)-US-NP	US7039056	09/921109	20030026265	US	2-May-06	2-Jul-24	2-Aug-01	High Quality Audio And Video Over Digital Subscriber Lines (DSLs)
Bruckstein 3-1-70 (AM)	Bruckstein 3-1-70 (AM)-US-NP	US6091394	08/923480		US	18-Jul-00	4-Sep-17	4-Sep-97	Technique For Holographic Representation Of Images
Bruckstein 4-2-1-71 (AM)	Bruckstein 4-2-1-71 (AM)-US-NP	US5995214	08/989533		US	30-Nov-99	12-Dec-17	12-Dec-97	Process For Pose Estimation Of A Camera Viewing An Image Scene
									Method And Apparatus For Suppressing Route Request Messages For Wireless Gateway
Brudos 1-16-1 (PG)	Brudos 1-16-1 (PG)-US-NP	US6505050	09/689552		US	7-Jan-03	12-Oct-20	12-Oct-00	Applications Power Overload Control Method Useful With High
Brueck 12-31-6-37 (S)	Brueck 12-31-6-37 (S)-DE-EPT	EP2127125	07862772.6	EP2127125	DE	28-Oct-15	11-Dec-27	11-Dec-07	Speed Downlink Packet Access Power Overload Control Method Useful With High
Brueck 12-31-6-37 (S)	Brueck 12-31-6-37 (S)-FR-EPT	EP2127125	07862772.6	EP2127125	FR	28-Oct-15	11-Dec-27	11-Dec-07	Speed Downlink Packet Access Power Overload Control Method Useful With High
Brueck 12-31-6-37 (S)	Brueck 12-31-6-37 (S)-GB-EPT	EP2127125	07862772.6	EP2127125	GB	28-Oct-15	11-Dec-27	11-Dec-07	Speed Downlink Packet Access Power Overload Control Method Useful With High
Brueck 12-31-6-37 (S)	Brueck 12-31-6-37 (S)-JP-PCT	JP5410296	2009542803	2010514357	JP	15-Nov-13	11-Dec-27	11-Dec-07	Speed Downlink Packet Access Power Overload Control Method Useful With High
Brueck 12-31-6-37 (S)	Brueck 12-31-6-37 (S)-US-NP	US9204403	11/614140	20080151818	US	1-Dec-15	17-Nov-30	21-Dec-06	Speed Downlink Packet Access
Brueck 5-27-22 (S)	Brueck 13-32-39 (S)-US-DIV	US8145233	11/980421	20080096576	US	27-Mar-12	24-Jun-27	31-Oct-07	Methods Of Power Overload Control In Communication Systems
Brueck 5-27-22 (S)	Brueck 5-27-22 (S)-KR-NP	KR101092872	20050033671		KR	6-Dec-11	22-Apr-25	22-Apr-05	Methods Of Power Overload Control In Communication Systems
Brueck 5-27-22 (S)	Brueck 5-27-22 (S)-US-NP	US7620004	10/835112	20050243752	US	17-Nov-09	13-Sep-28	30-Apr-04	Methods Of Power Overload Control In Communication Systems

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	TETLE
Davids (0. 20. 22. 10. (6)	Develop 20 22 40 (EV US AID	Urnosoco 2	11/645603	20000161002	115	1 11 11	12 14 20	27 0 06	Method Of Determining When A Mobile Station Is Ready To Be Served During A Handoff In A Wireless
Brueck 9-39-33-19 (S)	Brueck 9-39-33-19 (S)-US-NP	US8050683	11/645602	20080161003	US	1-Nov-11	13-Jul-30	27-Dec-06	Communications Network  SNMP Agent Code Generation And SNMP Agent
Brunell 8-2-8-1-8-8 (EG)	Brunell 8-2-8-1-8-8 (EG)-US-NP	US7555743	10/868419	20050278692	US	30-Jun-09	26-Oct-25	15-Jun-04	Framework For Network Management Application Development
Bruno 3-19-1-41 (JL)	Bruno 3-19-1-41 (JL)-US-NP	US6556578	09/295458		US	29-Apr-03	14-Apr-19	14-Apr-99	Early Fair Drop: A New Buffer Management Policy
Bruno 4-1-11-20-42 (JL)	Bruno 4-1-11-20-42 (JL)-US-NP	US6434631	09/418795		US	13-Aug-02	15-Oct-19	15-Oct-99	Method And system For Providing Computer Storage Access With Quality Of Service Guarantees Operating System Transfer Of Control And Parameter
Bruno 5-2-12-44-1 (JL)	Bruno 5-2-12-44-1 (JL)-US-NP	US6604123	09/311229		US	5-Aug-03	13-May-19	13-May-99	Manipulation Using Portals
Bruns 2-5 (GR)	Bruns 2-5 (GR)-US-NP	US6708328	09/465578		US	16-Mar-04	17-Dec-19	17-Dec-99	Employment Of Value Of Unknown In Portion Of Partial State Space For Analysis Of Part Of System
Brusilovsky 2-2-2-10 (A)	Brusilovsky 2-2-2-10 (A)-US-NP	US6819667	09/368985		US	16-Nov-04	5-Aug-19	5-Aug-99	PSTN-Internet Notification Service
Bu 14-10-11-27 (T)	Bu 14-10-11-27 (T)-US-NP	US8081567	12/011908	20090190511	US	20-Dec-11	22-Sep-30	30-Jan-08	Method And Apparatus For Detecting Wireless Data Subscribers Using Natted Devices
Bu 7-4-3-41 (T)	Bu 7-4-3-41 (T)-US-CNT	US9069962	14/096145	20140181978	US	30-Jun-15	4-Dec-33	4-Dec-13	Design And Evaluation Of A Fast And Robust Worm Detection Algorithm Coarse Wavelength Division Multiplexing Optical
Buchholz 2-13 (DB)	Buchholz 2-13 (DB)-US-NP	US5943456	08/915244		US	24-Aug-99	20-Aug-17	20-Aug-97	System  ATM Access Interface: Hardware Based Quick
Buchholz 3-14-1-4-5 (DB)	Buchholz 3-14-1-4-5 (DB)-US-NP Buddhíkot 15-9-24-30 (MM)-US-	US6198750	09/042833		US	6-Mar-01	17-Mar-18	17-Mar-98	Response Flow Control  Apparatus And Method For Practical And Efficient
	NP Buddhikot 19-5-19-5-3 (MM)-KR-	US8042017	11/789287	20080267106	US	18-Oct-11	20-Jun-30	24-Apr-07	Broadcast In Mobile Ad Hoc Networks
	PCT	KR101190537	20107027079		KR	8-Oct-12	22-Apr-29	22-Apr-09	Method Of Identifying A Transmitting Device Routing Bandwidth Guaranteed Paths With Local
Buddhikot 7-4-8-2 (MM)	Buddhikot 7-4-8-2 (MM)-US-NP	US8675493	10/187664	20040004938	US	18-Mar-14	7-May-30	2-Jul-02	Restoration In Label Switched Networks  Method Of Throttling Uplink Traffic In A Wireless
Budka 6-1-1 (KC)	Budka 27-2-7 (KC)-US-DIV	US8325734	12/076313	20080165747	US	4-Dec-12	19-Oct-24	17-Mar-08	Communication System Cellular Communications System And Related
Buehrer 10-5-5-3 (RM)	Buehrer 10-5-5-3 (RM)-US-NP	US6801791	09/810694	20020169006	US	5-Oct-04	14-Mar-21	14-Mar-01	Methods
Buehrer 1-1-1 (MR)	Buehrer 1-1-1 (MR)-US-NP	US6363103	09/058065		US	26-Mar-02	9-Apr-18	9-Apr-98	Multistage Interference Cancellation For CDMA Applications Using M-ary Orthogonal Modulation
Buehrer 2-4-1-2 (RM)	Buehrer 2-4-1-2 (RM)-JP-NP		2000196333		JP		29-Jun-20	29-Jun-00	Base Station System Including Parallel Interference Cancellation Processor
Buehrer 2-4-1-2 (RM)	Buehrer 2-4-1-2 (RM)-US-NP	US6157847	09/342145		US	5-Dec-00	29-Jun-19	29-Jun-99	Base Station System Including Parallel Interference Cancellation Processor
Buehrer 2-4-1-2 (RM)	Buehrer 2-4-1-2 (RM)-DE-EPA	EP1065796	00305207.3	EP1065796	DE	3-Sep-08	20-Jun-20	20-Jun-00	Base Station System Including Parallel Interference Cancellation Processor
Buehrer 2-4-1-2 (RM)	Buehrer 2-4-1-2 (RM)-FR-EPA	EP1065796	00305207.3	EP1065796	FR	3-Sep-08	20-Jun-20	20-Jun-00	Base Station System Including Parallel Interference Cancellation Processor
Buehrer 2-4-1-2 (RM)	Buehrer 2-4-1-2 (RM)-GB-EPA	EP1065796	00305207.3	EP1065796	GB	3-Sep-08	20-Jun-20	20-Jun-00	Base Station System Including Parallel Interference Cancellation Processor
Buehrer 3-2-3 (RM)	Buehrer 3-2-3 (RM)-US-NP	US6614857	09/296409		US	2-Sep-03	23-Apr-19	23-Apr-99	Iterative Channel Estimation And Compensation Based Thereon
Buehrer 5-1-1 (RM)	Buehrer 17-10-2 (RM)-US-CNT	US7400614	10/282455	20030061656	US	15-Jul-08	22-Dec-19	29-Oct-02	Methods And Apparatus For Downlink Diversity In CDMA Using Walsh Codes
Buehrer 5-1-1 (RM)	Buehrer 5-1-1 (RM)-JP-NP	JP4046456	2000113922		JP	30-Nov-07	14-Apr-20	14-Apr-00	Methods And Apparatus For Downlink Diversity In CDMA Using Walsh Codes Methods And Apparatus For Downlink Diversity In
Buehrer 5-1-1 (RM)	Buehrer 5-1-1 (RM)-US-NP	US6515978	09/294661		US	4-Feb-03	19-Apr-19	19-Apr-99	CDMA Using Walsh Codes  Methods And Apparatus For Downlink Diversity In
Buehrer 5-1-1 (RM)	Buehrer 5-1-1 (RM)-EP-EPD[2]		04022902.3	EP1523120	EP		19-Apr-19	25-Sep-04	CDMA Using Walsh Codes  Motion Compensation Image Interpolation - Frame
Bugwadia 1-26-1 (KA)	Bugwadia 1-26-1 (KA)-US-NP	US6229570	09/161337		US	8-May-01	25-Sep-18	25-Sep-98	Rate Conversion For HDTV  Method And Apparatus For Continuous Speech
Buhrke 4-14 (ER)	Buhrke 4-14 (ER)-US-NP	US6006181	08/928372		US	21-Dec- <del>99</del>	12-Sep-17	12-Sep-97	Recognition Using A Layered, Self-Adjusting Decoder Network Multiple Inclined Wafer Holder For Improved Vapor
Bulusu 2-35-10-1-1 (DV)	Bulusu 2-35-10-1-1 (DV)-US-NP	U56520348	09/542622		US	18-Feb-03	4-Apr-20	4-Apr-00	Transport And Reflux For Sealed Ampoule Diffusion Process  Apparatus, Method and System for Wireless
Bunting 1-1-3-11 (RL)	Bunting 1-1-3-11 (RL)-US-NP	US6393289	09/196484		US	21-May-02	19-Nov-18	19-Nov-98	Telecommuncation Session Control by an Adjunct Network Entity
Buratynski 1-6-17 (EK)	Buratynski 1-6-17 (EK)-US-NP	US6374661	09/162751		US	23-Apr-02	29-Sep-18	29-Sep-98	Realistic, Repeatable And Controllable Drop Testing
Burgess 12-7-6-6 (JK)	Burgess 12-7-6-6 (JK)-US-NP	US8750177	11/618105	20080161004	US	10-Jun-14	10-Dec-29	29-Dec-06	Allocating Memory To Low Usage Packet Data Sessions In A Wireless Communication System
Burgess 13-8-7-7 (JK)	Burgess 13-8-7-7 (JK)-US-NP	US8849351	11/618140	20080161007	US	30-Sep-14	22-Jul-31	29-Dec-06	Vacating Low Usage Packet Data Sessions In A Wireless Communication System
Burgess 14-25 (JK)	Burgess 14-25 (JK)-US-NP	US8027681	11/758477	20080305801	US	27-Sep-11	7-May-30	5-Jun-07	Method And Appartus To Allow Hand-Off From A Macrocell To A Femtocell
Burgess 16-32 (JK)	Burgess 16-32 (JK)-CN-PCT	ZL200880113748 .5	200880113748.5	101843141	CN	27-Nov-13	23-Oct-28	23-Oct-08	Hand-Off Trigger At Access Technology Borders
Burgess 16-32 (JK)	Burgess 16-32 (JK)-DE-EPT	EP2218281	08845526.6	EP2218281	DE	7-Sep-11	23-Oct-28	23-Oct-08	Hand-Off Trigger At Access Technology Borders
Burgess 16-32 (JK)	Burgess 16-32 (JK)-FR-EPT	EP2218281	08845526.6	EP2218281	FR	7-Sep-11	23-Oct-28	23-Oct-08	Hand-Off Trigger At Access Technology Borders
Burgess 16-32 (JK)	Burgess 16-32 (JK)-GB-EPT	EP2218281	08845526.6	EP2218281	GB	7-Sep-11	23-Oct-28	23-Oct-08	Hand-Off Trigger At Access Technology Borders
Burgess 16-32 (JK)	Burgess 16-32 (JK)-IN-PCT	IN278689	2343/CHENP/2010	2343/CHENP/2010	IN	28-Dec-16	23-Oct-28	23-Oct-08	Hand-Off Trigger At Access Technology Borders
Burgess 16-32 (JK)	Burgess 16-32 (JK)-JP-PCT	JP5132777	2010532022	2011502423	JP	16-Nov-12	23-Oct-28	23-Oct-08	Hand-Off Trigger At Access Technology Borders
Burgess 16-32 (JK)	Burgess 16-32 (JK)-KR-PCT	KR101184198	20107011132	20100084558	KR	13-Sep-12	23-Oct-28	23-Oct-08	Hand-Off Trigger At Access Technology Borders
	Burgess 16-32 (JK)-US-NP Burgess 2-2 (PN)-US-NP	US8054802 US7535887	11/976802 09/597430	20090111468	US US	8-Nov-11 19-May-09	24-Nov-29 20-May-26	29-Oct-07 20-Jun-00	Hand-Off Trigger At Access Technology Borders Packetizing Telecommunications Switch
	Burgess 8-5-18-5-3 (JK)-US-NP	US6970447	10/086507	20040203702	US	29-Nov-05	27-Apr-24	1-Mar-02	Multi-Carrier Method For Providing Access To A Wireless Communication System Arrangement For Manipulating a PIN in an Electrical
Burgholzer 5 (BL)	Burgholzer 5 (BL)-US-NP	US6233805	09/396856		US	22-May-01	15-Sep-19	15-Sep-99	Assembly Including a Reciprocating Engaging Member

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	APPLICATEON NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	ntie
									System For Visually Representing Modification
Burkwald 1-30-1-2-1 (SK)	Burkwald 1-30-1-2-1 (SK)-US-NP	US6356285	08/992408		us	12-Mar-02	17-Dec-17	17-Dec-97	Information About An Characteristic-Dependent Information Processing System
Burnett 4-1 (DS)	Burnett 4-1 (DS)-US-NP	US5966524	08/939456		US	12-Oct-99	29-Sep-17	29-Sep-97	A 3-D Electromagnetic Infinite Element
Busch 4 (P)	Busch 4 (P)-US-NP	US7155247	10/410471	20030199283	US	26-Dec-06	10-Oct-24	9-Apr-03	Wireless Communication Network With Automatic Threshold Adjustment
Bushnell 10 (WJ)	Bushnell 10 (WJ)-US-NP	US6249579	09/087412		US	19-Jun-01	29-May-18	29-May-98	Apparatus, Method And System For Personal Telecommunication Speed Calling
Bushnell 12 (WJ)	Bushnell 12 (WJ)-US-NP	US6320955	09/259236		US	20-Nov-01	1-Mar-19	1-Mar-99	Remote Activation Of Call Trace
Bushnell 14 (WJ)	Bushnell 14 (WJ)-DE-EPA	EP1081932	00307186.7	EP1081932	DE	17-Mar-04	21-Aug-20	21-Aug-00	Call Me Conference Call System
Bushnell 14 (WJ)	Bushnell 14 (WJ)-FR-EPA	EP1081932	00307186.7	EP1081932	FR	17-Mar-04	21-Aug-20	21-Aug-00	Call Me Conference Call System
Bushnell 14 (WJ)	Bushnell 14 (WJ)-GB-EPA	EP1081932	00307186.7	EP1081932	GB	17-Mar-04	21-Aug-20	21-Aug-00	Call Me Conference Call System
Bushnell 14 (WJ)	Bushnell 14 (WJ)-JP-NP	JP4865123	2000262278		JP	18-Nov-11	31-Aug-20	31-Aug-00	Call Me Conference Call System
Bushnell 14 (WJ)	Bushnell 14 (WJ)-US-NP	US6754322	09/386729		US	22-Jun-04	31-Aug-19	31-Aug-99	Call Me Conference Call System
									Phone Connector Component Operationally Connectable Through Packet Network To Any Selected One Or More Switch Components For Originating And/Or Terminating Telecommunication
Bushnell 20-1 (WJ)	Bushnell 20-1 (WJ)-US-NP	US7180890	09/825645	20020145997	US	20-Feb-07	15-Aug-23	4-Apr-01	Service System For Implementing Simulated Facility Groups
Bushnell 21 (WJ)	Bushnell 21 (WJ)-US-NP	US7324532	10/359825	20040156391	US	29-Jan-08	8-Jan-26	7-Feb-03	On A GR303-Type Interface An Electromagnetic Interference Cover For A Conduit
Buskmiller 3-18-25-12 (MR)	Buskmiller 3-18-25-12 (MR)-US- NP	US6252180	09/370531		US	26-Jun-01	9-Aug-19	9-Aug-99	And An Electronic Equipment Chassis Employing The Same
Buskmiller 4-19-26-5-13	Buskmiller 4-19-26-5-13 (MR)-								Electromagnetic Interference Cover For An Electronics Module And An Electronic Equipment
(MR)	US-NP	US6284970	09/395041		US	4-Sep-01	13-Sep-19	13-Sep-99	Chassis Employing The Same NPA Split Management In Intelligent Network
Buttitta 3-2 (A)	Buttitta 3-2 (A)-DE-EPA	EP1005238	99307439.2	EP1005238	DE	24-Oct-01	21-Sep-19	21-Sep-99	Environment NPA Split Management In Intelligent Network
Buttitta 3-2 (A)	Buttitta 3-2 (A)-FR-EPA	EP1005238	99307439.2	EP1005238	FR	24-Oct-01	21-Sep-19	21-Sep-99	Environment NPA Split Management In Intelligent Network
Buttitta 3-2 (A)	Buttitta 3-2 (A)-GB-EPA	EP1005238	99307439.2	EP1005238	GB	24-Oct-01	21-Sep-19	21-Sep-99	Environment  NPA Split Management In Intelligent Network
Buttitta 3-2 (A)	Buttitta 3-2 (A)-JP-NP	JP3728154	275435/1999	2000115359	JP	7-Oct-05	29-Sep-19	29-Sep-99	Environment NPA Split Management In Intelligent Network
Buttitta 3-2 (A)	Buttitta 3-2 (A)-KR-NP	KR633716	19990041792		KR	4-Oct-06	29-Sep-19	29-Sep-99	Environment  NPA Split Management In Intelligent Network
Buttitta 3-2 (A) Butts 1-3 (ML)	Buttitta 3-2 (A)-US-NP Butts 1-3 (ML)-US-NP	US6289095 US5978460	09/162911 08/941555		US US	11-Sep-01	29-Sep-18	29-Sep-98	Environment
						2-Nov-99	30-Sep-17	30-Sep-97	Coin Telephone Data Port Protection
Byers 24 (CC)	Byers 24 (CC)-US-NP	US6157308	09/329687		US	5-Dec-00	10-Jun-19	10-Jun-99	Detecting Hidden Faults In Reliable Power Systems Enhanced Automatic Speech Recognition Using
Byers 32 (CC)	Byers 32 (CC)-US-NP	US6219645	09/453113		US	17-Apr-01	2-Dec-19	2-Dec-99	Multiple Directional Microphones
Byers 36-27 (CC)	Byers 36-27 (CC)-US-NP	US6975619	09/528572		US	13-Dec-05	20-Mar-20	20-Mar-00	System and Method For Providing Host Geographic Location Information In A Packet Data Network
Byers 37-5-1-10-9 (CC)	Byers 37-5-1-10-9 (CC)-US-NP	US6907035	09/593184		US	14-Jun-05	4-Dec-22	13-Jun-00	Master Controller For A Flexible Switching System
Byers 38 (CC)	Byers 38 (CC)-US-NP	US6975594	09/604152		US	13-Dec-05	25-Oct-22	27-Jun-00	System And Method For Providing Controlled Broadband Access Bandwidth
Dunas 43 4 (CC)	Duese 43 4 (CC) DE EDA	ED1204420	02254790.5	ED1204420	DE	26 4== 06	n Il 22	0.101.03	Interconnecting Processing Units Of A Stored Program Controlled System Using Wavelength
Byers 42-4 (CC)	Byers 42-4 (CC)-DE-EPA	EP1284430	02254780.6	EP1284430	DE	26-Apr-06	9-Jul-22	9-Jul-02	Division Multiplexed Free Space Optics Interconnecting Processing Units Of A Stored
Byers 42-4 (CC)	Byers 42-4 (CC)-FR-EPA	EP1284430	02254780.6	EP1284430	FR	26-Apr-06	9-Jul-22	9-Jul-02	Program Controlled System Using Wavelength Division Multiplexed Free Space Optics
									Interconnecting Processing Units Of A Stored Program Controlled System Using Wavelength
Byers 42-4 (CC)	Byers 42-4 (CC)-GB-EPA	EP1284430	02254780.6	EP1284430	GB	26-Apr-06	9-Jul-22	9-Jul-02	Division Multiplexed Free Space Optics Audible Signaling Device With Determinate
Byers 49 (CC)	Byers 49 (CC)-US-NP	US7095861	10/081352	20030161483	US	22-Aug-06	29-Nov-23	22-Feb-02	Directional Radiation  Backplane Configuration With Shortest-Path-Relative
Byers 55-8 (CC) Byers 62 (CC)	Byers 55-8 (CC)-US-NP Byers 62 (CC)-US-NP	U57206888 U57423852	10/626215 11/137524	20050016766 20060268483	US US	17-Apr-07 9-Sep-08	20-Jul-24 28-Mar-26	24-Jul-03 25-May-05	Shift Routing Apparatus For Providing Holdover Power
Byers 65-1-9 (CC)	Byers 65-1-9 (CC)-US-NP	US7863912	11/998607	20090140755	US	4-Jan-11	30-Nov-27	30-Nov-07	Circuit Board Testing System
Byers 66 (CC)	Byers 66 (CC)-US-NP	US8842431	11/872520	20090097204	US	23-Sep-14	20-Oct-30	15-Oct-07	Horizontal Chassis Having Front To Back Airflow
Byers 67-11 (CC)	Byers 67-11 (CC)-US-NP	US8844609	12/381385	20100230079	US	30-Sep-14	2-Oct-32	11-Mar-09	Cooling Manifold Hybrid Standby Power System, Method Of Operation
Byrne 5-2-9-8-1-3 (VM) Cadet 13-26 (G)	Byrne 14-7-20-11-6-4 (VM)-US- CNT Cadet 13-26 (G)-US-NP	US5995396 US5948967	09/268917 08/998440		US US	30-Nov-99 7-Sep-99	16-Dec-17 26-Dec-17	15-Mar-99 26-Dec-97	Thereof And Telecommunications Installation Employing The Same Acoustic Analysis Of Gas Mixtures Telephone Calling Card Service System Integrating
Cai 10-3 (Y)	Cai 10-3 (Y)-DE-EPA	EP1085738	00305393.1	EP1085738	DE	29-Nov-06	27-Jun-20	27-Jun-00	Virtual Destination Numbers
Cai 10-3 (Y)	Cai 10-3 (Y)-FR-EPA	EP1085738	00305393.1	EP1085738	FR	29-Nov-06	27-Jun-20	27-Jun-00	Telephone Calling Card Service System Integrating Virtual Destination Numbers Telephone Calling Card Service System Integrating
Cai 10-3 (Y)	Cai 10-3 (Y)-GB-EPA	EP1085738	00305393.1	EP1085738	GB	29-Nov-06	27-Jun-20	27-Jun-00	Telephone Calling Card Service System Integrating Virtual Destination Numbers
Cai 10-3 (Y)	Cai 10-3 (Y)-US-NP	US6356630	09/346152		US	12-Mar-02	9-Jul-19	9-Jul-99	Telephone Calling Card Service System Integrating Virtual Destination Numbers
Cai 109-7 (Y)	Cai 109-7 (Y)-US-NP	US8126123	11/711545	20080205614	US	28-Feb-12	30-Dec-30	27-Feb-07	Pre-Biller In Internet Protocol Multimedia Subsystem (IMS) Charging Gateway Function (CGF)
	G : 440 44 W K	WD4044	20007025					20.14	Implementing Rating Timer Control In A Pre-Biller To
Cai 110-11 (Y)	Cai 110-11 (Y)-KR-PCT	KR101158980	20097020406	EEZE ICHEMP ING	KR	15-Jun-12	20-Mar-28	20-Mar-08	Support On-line And Off-line Charging  Implementing Rating Timer Control In A Pre-Biller To
Cai 110-11 (Y)	Cai 110-11 (Y)-IN-PCT		5675/CHENP/2009	5675/CHENP/2009	IN		20-Mar-28	20-Mar-08	Support On-line And Off-line Charging
Cai 110-11 (Y)	Cai 110-11 (Y)-JP-PCT	JP5380428	2010500929	2010524296	JP	4-Oct-13	20-Mar-28	20-Mar-08	Implementing Rating Timer Control In A Pre-Biller To Support On-line And Off-line Charging

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FAMILY F	Case Reference	GHANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	TITLE
	Cai 110-11 (Y)-US-NP Cai 113-2-3-2 (Y)-US-NP	US9197515 US8942668	11/778250 11/738387	20080243655 20080261559	US US	24-Nov-15 27-Jan-15	18-Aug-33 27-Dec-31	16-Jul-07 20-Apr-07	Implementing Rating Timer Control In A Pre-Biller To Support On-Line And Off-Line Charging Camel Service Charging In IMS Networks
Cai 11-4 (Y) C	Cai 11-4 (Y)-US-NP	US6590970	09/346153		US	8-Jul-03	9-Jul-19	9-Jul-99	Intelligent-Networked Telephone System Having Advertisement With Bonus Free Phone Call Service
Cai 122-40 (Y)	Cai 122-40 (Y)-US-NP	US9100381	12/023255	20090198808	US	4-Aug-15	11-Aug-29	31-Jan-08	Method And Apparatus For Providing Virtual WiFi Access
Cai 124-2-5-5 (Y)	Cai 124-2-5-5 (Y)-CN-PCT	ZL200780101972 .8	200780101972.8	101919204	CN	30-Apr-14	18-Dec-27	18-Dec-07	Charging In IMS Networks For Sessions That Are Transferred Between Access Networks
		.0				30 Apr 14			Online Charging For Supplement Services In IMS
Cai 131-15 (Y) C	Cai 131-15 (Y)-EP-EPT		08730737.7	EP2248299	EP		26-Feb-28	26-Feb-08	Networks
Cai 136-29 (Y) C	Cai 136-29 (Y)-US-NP		12/171629	20100009701	US		11-Jul-28	11-Jul-08	Method And Apparatus For Data Message Delivery To A Recipient Migrated Across Technology Networks
Cai 140-51 (Y) C	Cai 140-51 (Y)-US-CNT	US8934862	14/091282	20140078937	US	13-Jan-15	26-Nov-33	26-Nov-13	Advice Of Charging (AoC) Services In IMS Networks
Cai 140-51 (Y) C	Cai 140-51 (Y)-US-NP	US8620262	12/357208	20100184403	US	31-Dec-13	29-Aug-31	21-Jan-09	Advice Of Charging (AoC) Services In IMS Networks Intelligent-Networked System With Service For Notifying And Hearing Selected E-Mails Via A Public
Cai 15-11 (Y) C	Cai 15-11 (Y)-US-NP	US6862342	09/516267		US	1-Mar-05	29-Feb-20	29-Feb-00	Switched Telephone Network
Cai 17-1-2-1-1 (Y) C	Cai 17-1-2-1-1 (Y)-JP-NP	JP4812184	2001144536		JP	2-Sep-11	15-May-21	15-May-01	Communication Of Intelligent Network Signaling Between A SSP And An External Intelligent Peripheral
									Communication Of Intelligent Network Signaling
	Cai 17-1-2-1-1 (Y)-US-NP Cai 37-3-4 (Y)-EP-EPA	US7035391	09/808934 05257714.5	20010053158 EP1675332	US EP	25-Apr-06	5-Jun-23 15-Dec-25	15-Mar-01 15-Dec-05	Between A SSP And An External Intelligent Peripheral Anti-Spam Server
Cai 51-1 (Y) C	Cai 51-1 (Y)-DE-EPT	EP1955504	06849905.2	EP1955504	DE	7-Sep-16	28-Nov-26	28-Nov-06	Anti-Spam Application Storage System
	Cai 51-1 (Y)-FR-EPT Cai 51-1 (Y)-GB-EPT	EP1955504 EP1955504	06849905.2 06849905.2	EP1955504 EP1955504	FR GB	7-Sep-16 7-Sep-16	28-Nov-26 28-Nov-26	28-Nov-06 28-Nov-06	Anti-Spam Application Storage System
		US6178234	09/249282	Er 1933304	US		11-Feb-19		Anti-Spam Application Storage System Intelligent Networked, Automated Telephone Calling Card Service System Capable Of Bailout To An
Cal 5-2-1 (1)	Cai 5-2-1 (Y)-US-NP	U301/8234	09/249202			23-Jan-01		11-Feb-99	Operator  A Method And Apparatus For Implementing SMS
	Cai 59-2-1-1 (Y)-EP-EPT Cai 77-9-2-1 (Y)-EP-EPT		07753934.4 07810010.4	EP2002621 EP2044751	EP EP		23-Mar-27 28-Jun-27	23-Mar-07 28-Jun-07	Spam Filtering Media Security For IMS Sessions
		ZL200780023124				20 14 12			Local Calling Area Determination In Wireless
	Cai 78-7 (Y)-CN-PCT	.х	200780023124.X	101473664	CN	28-Mar-12	11-Jun-27	11-Jun-07	Networks  Local Calling Area Determination In Wireless
Cai 78-7 (Y) C	Cai 78-7 (Y)-DE-EPT	EP2036389	07796004.5	EP2036389	DE	19-Oct-11	11-Jun-27	11-Jun-07	Networks Local Calling Area Determination In Wireless
Cai 78-7 (Y) C	Cai 78-7 (Y)-FR-EPT	EP2036389	07796004.5	EP2036389	FR	19-Oct-11	11-Jun-27	11-Jun-07	Networks Local Calling Area Determination In Wireless
Cai 78-7 (Y) C	Cai 78-7 (Y)-GB-EPT	EP2036389	07796004.5	EP2036389	GB	19-Oct-11	11-Jun-27	11-Jun-07	Networks Local Calling Area Determination In Wireless
Cai 78-7 (Y) C	Cai 78-7 (Y)-IN-PCT		6831/CHENP/2008	6831/CHENP/2008	IN		11-Jun-27	11-Jun-07	Networks Local Calling Area Determination In Wireless
Cai 78-7 (Y) C	Cai 78-7 (Y)-US-NP	US7725104	11/425196		US	25-May-10	25-Jan-29	20-Jun-06	Networks Home Zone Determination For Electronic Messaging
Cai 80-18 (Y) C	Cai 80-18 (Y)-IN-PCT		35/CHENP/2009	35/CHENP/2009	IN		28-Jun-27	28-Jun-07	Services Home Zone Determination For Electronic Messaging
Cai 80-18 (Y) C	Cai 80-18 (Y)-US-NP	US8812581	11/456480	20080010349	US	19-Aug-14	31-Oct-30	10-Jul-06	Services
Cai 80-18 (Y) C	Cai 80-18 (Y)-JP-PCT	JP5039783	2009-519448	2009543516	JP	13-Jul-12	28-Jun-27	28-Jun-07	Home Zone Determination For Electronic Messaging Services
Cai 80-18 (Y)	Cai 80-18 (Y)-DE-EPT	EP2044783	07810002.1	EP2044783	DE	12-Aug-09	28-Jun-27	28-Jun-07	Home Zone Determination For Electronic Messaging Services
Cai 80-18 (Y) C	Cai 80-18 (Y)-FR-EPT	EP2044783	07810002.1	EP2044783	FR	12-Aug-09	28-Jun-27	28-Jun-07	Home Zone Determination For Electronic Messaging Services
Cai 80-18 (Y) C	Cai 80-18 (Y)-GB-EPT	EP2044783	07810002.1	EP2044783	GB	12-Aug-09	28-Jun-27	28-Jun-07	Home Zone Determination For Electronic Messaging Services
Calabrese 1-1-5-2 (RT)	Calabrese 1-1-5-2 (RT)-US-NP	US6236857	09/107557		US	22-May-01	29-Jun-18	29-Jun-98	Methods And Apparatus For Accessing Enhanced Wireless Services Platforms Via The Public Switched Telephone Network
			<u> </u>						Method For Updating Message Waiting Number
Calabrese 2-4 (RT)	Calabrese 2-4 (RT)-US-NP	US6055423	08/999012		US	25-Apr-00	29-Dec-17	29-Dec-97	Count For A Mobile Telephone In An ANSI41 Network
Calabrese 4-1-5 (RT)	Calabrese 4-1-5 (RT)-US-NP	US6343215	09/189821		US	29-Jan-02	10-Nov-18	10-Nov-98	Ansi 41 Dialed Number Validation  Method And Apparatus Providing Call Redirection For
Calabrese 7-12-3-4 (RT)	Calabrese 7-12-3-4 (RT)-US-NP	US6389279	09/440872		US	14-May-02	16-Nov-19	16-Nov-99	Subsequent Call Events In A Telephone Communications System
Calabrese 8-12-5 (RT) C	Calabrese 8-12-5 (RT)-US-NP	US6519454	09/461834		US	11-Feb-03	15-Dec-19	15-Dec-99	Apparatus And Method Providing Ubiquitous Call Transfer Of An Incoming Call To A Mobile Subscriber Unit
Campbell 15 (SP)	Campbell 15 (SP)-US-NP	US6122081	09/378129		US	19-Sep-00	18-Aug-19	18-Aug-99	Using The Talbot Effect For Lensless Imaging Of Periodic Structures In A Holographic Memory System Method And System For Sending A Data Message To
Cannell 2-6-4 (LE)	Cannell 2-6-4 (LE)-US-NP	US6850604	09/871266	20020181674	US	1-Feb-05	31-May-21	31-May-01	A Calling Phone While Communicating With A First Phone
Cannon 10-1-3 (TC)	Cannon 10-1-3 (TC)-US-NP	US6519327	09/363928		US	11-Feb-03	30-Jul-19	30-Jul-99	System And Method For Selectively Retrieving Messages Stored On Telephony And Data Networks System And Method For Storing And Executing
Cannon 11-4 (TC) C	Cannon 11-4 (TC)-US-NP	US6389398	09/338890		US	14-May-02	23-Jun-19	23-Jun-99	Network Queries Used In Interactive Voice Response Systems
	Connect 1 5 (CD) HS ND	US8909038	10/338097	20040131353	US	9-Dec-14	15-Jan-29	7-Jan-03	Method And Apparatus Providing Transient Control In Optical Add-Drop Nodes
Cannon 1-6 (CB)	Cannon 1-6 (CB)-US-NP								
	Cannon 1-6 (CB)-US-NP Cannon 2-3-5-6 (JM)-US-NP	US6038291	09/081751		US	14-Mar-00	20-May-18	20-May-98	CALL FORWARDING VIA A 2-LINE PHONE
Cannon 2-3-5-6 (JM) C					US	14-Mar-00 14-Aug-01	20-May-18 2-Oct-17	20-May-98 2-Oct-97	CALL FORWARDING VIA A 2-LINE PHONE Circular Memory Addressing Option For Audio Messages

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMSLY	Case Reference	GRANT NUMBER	application Number	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATEON	NT1E
									Computer File Transmission System That upon
Cantoral 1-10-1 (E)	Cantoral 1-10-1 (E)-US-NP	US6192412	09/124164		US	20-Feb-01	28-Jul-18	28-Jul-98	Detecting a Transmission Error Recursively Splits the File into Smaller Subcomponents for Retransmission
	Cao 11-11-16 (J)-US-NP	US8134934	12/563476	20110069632	US	13-Mar-12	7-May-30	21-Sep-09	Tracking Network-Data Flows
Cao 12-11-1-6-9-1 (Q)	Cao 12-11-1-6-9-1 (Q)-AU-NP	AU727121	52666/99		AU	15-Mar-01	1-Oct-19	1-Oct-99	Communication System
Cao 12-11-1-6-9-1 (Q)	Cao 12-11-1-6-9-1 (Q)-DE-EPA	EP0993137	98308091.2	EP0993137	DE	21-Dec-05	5-Oct-18	5-Oct-98	Communication System
Cao 12-11-1-6-9-1 (Q)	Cao 12-11-1-6-9-1 (Q)-FR-EPA	EP0993137	98308091.2	EP0993137	FR	21-Dec-05	5-Oct-18	5-Oct-98	Communication System
Cao 12-11-1-6-9-1 (Q)	Cao 12-11-1-6-9-1 (Q)-GB-EPA	EP0993137	98308091.2	EP0993137	GB	21-Dec-05	5-Oct-18	5-Oct-98	Communication System
	Cao 18-11-6-3 (Q)-DE-EPA	EP1119213	00300362.1	EP1119213	DE	11-Jul-07	19-Jan-20	19-Jan-00	Radio Resource Allocation Methods And Apparatus
Cao 18-11-6-3 (Q)	Cao 18-11-6-3 (Q)-DE-EPD[2]	EP1596621	05015295.8	EP1596621	DE	7-Mar-07	19-Jan-20	14-Jul-05	Radio Resource Allocation Methods And Apparatus
	Cao 18-11-6-3 (Q)-FR-EPA	EP1119213	00300362.1	EP1119213	FR	11-Jul-07	19-Jan-20	19-Jan-00	Radio Resource Allocation Methods And Apparatus
Cao 18-11-6-3 (Q)		EP1596621		EP1596621	FR	7-Mar-07	19-Jan-20	14-Jul-05	
	Cao 18-11-6-3 (Q)-FR-EPD[2]		05015295.8						Radio Resource Allocation Methods And Apparatus
Cao 18-11-6-3 (Q)	Cao 18-11-6-3 (Q)-GB-EPA	EP1119213	00300362.1	EP1119213	GB	11-Jul-07	19-Jan-20	19-Jan-00	Radio Resource Allocation Methods And Apparatus
Cao 18-11-6-3 (Q)	Cao 18-11-6-3 (Q)-GB-EPD[2]	EP1596621	05015295.8	EP1596621	GB	7-Mar-07	19-Jan-20	14-Jul-05	Radio Resource Allocation Methods And Apparatus
Cao 18-11-6-3 (Q)	Cao 18-11-6-3 (Q)-US-NP	US6704291	09/760582	20010019543	US	9-Mar-04	16-Jan-21	16-Jan-01	Radio Resource Allocation Methods And Apparatus Power Control For Mobile Wireless Communication
Cao 3-3-3 (Q)	Cao 3-3-3 (Q)-AU-NP	AU715782	89584/98		AU	25-May-00	28-Oct-18	28-Oct-98	System  Power Control For Mobile Wireless Communication
Cao 3-3-3 (Q)	Cao 3-3-3 (Q)-CA-NP	CA2248487	2248487		CA	15-Jan-02	30-Sep-18	30-Sep-98	System Power Control For Mobile Wireless Communication
Cao 3-3-3 (Q)	Cao 3-3-3 (Q)-US-NP	US6292471	09/182032		US	18-Sep-01	29-Oct-18	29-Oct-98	System Telecommunications Network Comprising A Base
									Station And A Mobile Station, And A Method Of Transferring To And/Or Adding Into A Call
Con 37 15 17 (O)	Con 27 15 17 (O) CP ND	GB2384650	0201880.2		GB	24-Dec-03	20 los 22	38 los 03	Connection At Least One Other Uplink Channel For
Cao 37-15-17 (Q)	Cao 37-15-17 (Q)-GB-NP	GB238463U	0201880.2		GB.	24-Dec-03	28-Jan-22	28-Jan-02	User Data Telecommunications Network Comprising A Base
									Station And A Mobile Station, And A Method Of Transferring To And/Or Adding Into A Call
Cao 37-15-17 (Q)	Cao 37-15-17 (Q)-US-NP	US7218947	10/351042	20030144021	US	15-May-07	14-Aug-24	27-Jan-03	Connection At Least One Other Uplink Channel For User Data
									Apparatus And Method For Automatic Port Identity
Cao 7 (Y)	Cao 7 (Y)-JP-NP	JP3871895	200170264	2001292177	JP	27-Oct-06	13-Mar-21	13-Mar-01	Discovery In Hierarchical Heterogenous Systems
Cao 7 (Y)	Cao 7 (Y)-US-NP	US7009980	09/523615		US	7-Mar-06	13-Mar-20	13-Mar-00	Apparatus And Method For Automatic Port Identity Discovery In Hierarchical Heterogenous Systems
Cao 8-8-12 (J)	Cao 8-8-12 (J)-US-NP	US8406132	12/129883	20090296594	US	26-Mar-13	24-Jan-32	30-May-08	Estimating Cardinality Distributions In Network Traffic
GUO D 11 ()	CLO D D 12 (5) OS 141	030-100132	12/12/00/3	20050250554	0.5	20 1441 13	24 3011 32	30 May 00	Method And Apparatus For The Detection And
C 0 10 18 (D)	C 0 10 10 (D) UC ND	UC01440C2	12/221545	20100054454	LIC.	27 14 12	14 N= 20	4.5 00	Suppression Of Echo In Packet Based Communication
	Cao 9-10-18 (B)-US-NP	US8144862	12/231646	20100054454	US	27-Mar-12	14-Nov-30	4-Sep-08	Networks Using Frame Energy Estimation  Power Monitoring Arrangement For Optical Cross-
	Capik 2-8 (RJ)-US-NP Cappuzzo 7-35-14-2-12 (MA)-US-	US6760502	10/006175	20030103716	US	6-Jul-04	26-Apr-22	4-Dec-01	Connect Systems
(MA)	NP	US6366730	09/542096		US	2-Apr-02	3-Apr-20	3-Apr-00	Tunable Optical Waveguides Interleaved Broadcast Techniques For Wavelength
Caridi 2-4 (EA)	Caridi 2-4 (EA)-US-NP	US6028685	08/937673		US	22-Feb-00	25-Sep-17	25-Sep-97	Division Multiplexed Systems Display Techniques For Three Dimensional Virtual
Carraro 2-7 (GU)	Carraro 2-7 (GU)-US-NP	US6320589	08/906214		US	20-Nov-01	4-Aug-17	4-Aug-97	Reality Display Techniques For Three-Dimensional Virtual
Carraro 5-3-11 (GU)	Carraro 5-3-11 (GU)-US-NP	US6256044	09/098218		US	3-Jul-01	16-Jun-18	16-Jun-98	Reality Display Technique For Three Dimensional Virtual
Carraro 6-12 (GU)	Carraro 6-12 (GU)-US-NP	US6226009	09/107566		US	1-May-01	29-Jun-18	29-Jun-98	Reality Software-Hardware Partitoning Of A Scheduled
Carroll 6-5-4 (MD)	Carroll 6-5-4 (MD)-US-NP	US7525971	11/081932	20060209825	US	28-Apr-09	14-Oct-26	16-Mar-05	Medium-Access Protocol
Caruso 1 (JT)	Caruso 1 (JT)-US-NP	US6259788	09/019454		US	10-Jul-01	5-Feb-18	5-Feb-98	Technique For Balancing Loads In A Communications Network
									System And Method For Variable Bandwidth Transmission Facilities Between A Local Telephone
	Casanova 2-2-6-2 (LM)-US-NP	US6657993	09/309349		US	2-Dec-03	11-May-19	11-May-99	Switch And A Remote Line Unit Methods Of Detecting Protocol Support In Wireless
Casati 10 (A)	Casati 10 (A)-DE-EPA	EP1560381	05250275.4	EP1560381	DE	28-Dec-11	20-Jan-25	20-Jan-05	Communication Systems  Methods Of Detecting Protocol Support In Wireless
Casati 10 (A)	Casati 10 (A)-FR-EPA	EP1560381	05250275.4	EP1560381	FR	28-Dec-11	20-Jan-25	20-Jan-05	Communication Systems  Methods Of Detecting Protocol Support In Wireless
Casati 10 (A)	Casati 10 (A)-GB-EPA	EP1560381	05250275.4	EP1560381	GB	28-Dec-11	20-Jan-25	20-Jan-05	Communication Systems  Methods Of Detecting Protocol Support In Wireless
Casati 10 (A)	Casati 10 (A)-KR-NP	KR1107846	20050008893	20060042907	KR	12-Jan-12	1-Feb-25	1-Feb-05	Communication Systems  Methods Of Detecting Protocol Support In Wireless
Casati 10 (A)	Casati 10 (A)-US-NP	US7440459 ZL200780030267	10/768053	20050172012	US	21-Oct-08	11-Apr-26	2-Feb-04	Communication Systems
Casati 17-27-19 (A)	Casati 17-27-19 (A)-CN-PCT	.3	200780030267.3	101502046	CN	4-Jul-12	31-Jul-27	31-Jul-07	Broadcast Anchor Availability Indication
Casati 17-27-19 (A)	Casati 17-27-19 (A)-DE-EPT	EP2055043	07836363.7	EP2055043	DE	1-Jan-14	31-Jul-27	31-Jul-07	Broadcast Anchor Availability Indication
Casati 17-27-19 (A)	Casati 17-27-19 (A)-FR-EPT	EP2055043	07836363.7	EP2055043	FR	1-Jan-14	31-Jul-27	31-Jul-07	Broadcast Anchor Availability Indication
Casati 17-27-19 (A)	Casati 17-27-19 (A)-GB-EPT	EP2055043	07836363.7	EP2055043	GB	1-Jan-14	31-Jul-27	31-Jul-07	Broadcast Anchor Availability Indication
Casati 17-27-19 (A)	Casati 17-27-19 (A)-JP-PCT	JP5048065	2009524609	2010500847	JP	27-Jul-12	31-Jul-27	31-Jul-07	Broadcast Anchor Availability Indication
	Casati 17-27-19 (A)-IN-PCT	IN280318	671/CHENP/2009	671/CHENP/2009	IN	16-Feb-17	31-Jul-27	31-Jul-07	Broadcast Anchor Availability Indication
Casati 17-27-19 (A)	Casati 17-27-19 (A)-US-NP	US9438436	11/503661	20080051025	us	6-Sep-16	10-Jul-32	14-Aug-06	Broadcast Anchor Availability Indication
	Casati 17-27-19 (A)-03-NP  Casati 29-3 (A)-CN-PCT	ZL200980153757	200980153757.1	102273130	CN	15-Jan-14	31-Dec-29	31-Dec-09	Message Transmission
	Casati 29-3 (A)-DE-EPA	1.2	09360001.3	EP2204946	DE	3-Aug-11	5-Jan-29	5-Jan-09	Message Transmission  Message Transmission

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	CASE	GRANT NUMBER	APPLICATION	PUBLICATION:		ISSUE		APPLICATION	
Casati 29-3 (A)	REFERENCE Casati 29-3 (A)-FR-EPA	EP2204946	NUMBER 09360001.3	NUMBER EP2204946	COUNTRY FR	3-Aug-11	5-Jan-29	DATE 5-Jan-09	TETLE Message Transmission
Casati 29-3 (A)	Casati 29-3 (A)-GB-EPA	EP2204946	09360001.3	EP2204946	GB	3-Aug-11	5-Jan-29	5-Jan-09	Message Transmission
Casati 8-14 (A)	Casati 8-14 (A)-DE-EPA	EP1286557	01309800.9	EP1286557	DE	14-May-08	21-Nov-21	21-Nov-01	A Method Of Sending A Multicast Message To Mobile Stations, And A Radio Telecommunications Network
Casati 8-14 (A)	Casati 8-14 (A)-FR-EPA	EP1286557	01309800.9	EP1286557	FR	14-May-08	21-Nov-21	21-Nov-01	A Method Of Sending A Multicast Message To Mobile Stations, And A Radio Telecommunications Network
, ,	, ,					,			A Method Of Sending A Multicast Message To Mobile
Casati 8-14 (A)	Casati 8-14 (A)-GB-EPA	EP1286557	01309800.9	EP1286557	GB	14-May-08	21-Nov-21	21-Nov-01	Stations, And A Radio Telecommunications Network  A Method Of Sending A Multicast Message In Such As
Casati 9-15 (A)	Casati 9-15 (A)-DE-EPA	EP1286556	01309799.3		DE	22-Mar-06	21-Nov-21	21-Nov-01	A GPRS/UMTS Network, And A Mobile Telecommunications Network A Method Of Sending A Multicast Message In Such As
Casati 9-15 (A)	Casati 9-15 (A)-FR-EPA	EP1286556	01309799.3		FR	22-Mar-06	21-Nov-21	21-Nov-01	A GPRS/UMTS Network, And A Mobile Telecommunications Network A Method Of Sending A Multicast Message In Such As
Casati 9-15 (A)	Casati 9-15 (A)-GB-EPA	EP1286556	01309799.3		GB	22-Mar-06	21-Nov-21	21-Nov-01	A GPRS/UMTS Network, And A Mobile Telecommunications Network
Cates 1-29-12-3-2-10-2 (CB)	Cates 1-29-12-3-2-10-2 (CB)-US- NP	US6359980	09/651866		US	19-Mar-02	31-Aug-20	31-Aug-00	Method For Administering Advanced Number Portability Numbers
Cava 17 (RJ)	Cava 19-1 (RJ)-US-CIP	US6096263	08/165143		US	1-Aug-00	1-Aug-17	10-Dec-93	Article Comprising an Intermetallic Superconductor Material
Cava I7 (IG)	Cava 13-1 (Id)-03-Cii	030030203	00/103143		0.5	1-Aug-00	1-Aug-17	10-000-33	Device And Method Of Collecting And Distributing Reporting Service Measurment Data In A Wireless
Cayer 1-10 (CL)	Cayer 1-10 (CL)-US-NP	US8346276	12/385120	20100246418	US	1-Jan-13	3-May-30	31-Mar-09	Communications System
Cercioglu 2-5-8 (NM)	Cercioglu 2-5-8 (NM)-US-NP	US6151210	09/306062		US	21-Nov-00	6-May-19	6-May-99	Modular Design Of Electronic Equipment Systems Accessing Data During The Transition Between
Ceruti 1-1 (MJ)	Ceruti 1-1 (MJ)-US-NP	US5896527	08/962181		US	20-Apr-99	31-Oct-17	31-Oct-97	Program Releases
Cezanne 4-11-4 (J)	Cezanne 4-11-4 (J)-US-NP	US7373294	10/438642		US	13-May-08	7-Feb-26	15-May-03	Intonation Transformation For Speech Therapy And The Like
Chakrabarti 17-19 (UK)	Chakrabarti 17-19 (UK)-US-NP	US6320265	09/290535		US	20-Nov-01	12-Apr-19	12-Apr-99	Semiconductor Device With High-Temperature
Clariabatti 17-19 (OK)	CHARLADARI 17-15 (OK)-US-NF	030320203	03/230333		03	20-1404-01	12-401-15	12-Apr-55	Ohmic Contact And Method Of Forming The Same Hardware Configuration, Support Node And Method For Implementing General Packet Radio Services
Chakrabarti 5-6 (S)	Chakrabarti 5-6 (S)-JP-DIV	JP5438085	2011233474	2012075124	JP	20-Dec-13	7-Mar-21	7-Mar-01	Over GSM Hardware Configuration, Support Node And Method
Chakrabarti 5-6 (S)	Chakrabarti 5-6 (S)-JP-NP	JP5373238	2001063266		JP	27-Sep-13	7-Mar-21	7-Mar-01	For Implementing General Packet Radio Services Over GSM Hardware Configuration, Support Node And Method
Chakrabarti 5-6 (S)	Chakrabarti 5-6 (S)-MX-NP	MX232455	2001-002161		MX	30-Nov-05	28-Feb-21	28-Feb-01	For Implementing General Packet Radio Services Over GSM
									Hardware Configuration, Support Node And Method For Implementing General Packet Radio Services
Chakrabarti 5-6 (S)	Chakrabarti 5-6 (S)-US-NP	US6678281	09/520385		US	13-Jan-04	8-Mar-20	8-Mar-00	Over GSM Hardware Configuration, Support Node And Method For Implementing General Packet Radio Services
Chakrabarti 5-6 (S)	Chakrabarti 8-7 (S)-US-DIV	US7420953	10/731236		US	2-Sep-08	22-Aug-22	9-Dec-03	Over GSM Non-Reciprocal Network Element That Produces An
Chakrabarti 6 (S)	Chakrabarti 6 (S)-US-NP	US7020676	10/260873	20040064496	US	28-Mar-06	25-Aug-24	27-Sep-02	Input Impedance That Is A Product Of Its Load Impedances
									Non-Reciprocal Network Element That Produces An Input Impedance That Is A Function Of The
Chakrabarti 7 (S)	Chakrabarti 7 (S)-US-NP	US7092981	10/260088	20040073595	US	15-Aug-06	1-Oct-24	27-Sep-02	Multiplication-Division Of Its Load Impedances Method And Apparatus For Injecting Transient
Chakraborty 11 (TJ)  Chakraborty 11 (TJ)	Chakraborty 11 (TJ)-EP-EPT  Chakraborty 11 (TJ)-IN-PCT		07852485.7 1127/DELNP/2009	1127/DELNP/2009	EP IN		1-Oct-27	1-Oct-07	Hardware Faults For Software Testing  Method And Apparatus For Injecting Transient  Hardware Faults For Software Testing
Chakraborty 11 (TJ)	Chakraborty 11 (TJ)-KR-PCT	KR101174186	20097007874	1127/02241/2005	KR	8-Aug-12	1-Oct-27	1-Oct-07	Method And Apparatus For Injecting Transient Hardware Faults For Software Testing
Chakraborty 11 (TJ)	Chakraborty 11 (TJ)-US-NP	US7689866	11/550498	20080155328	US	30-Mar-10	11-Jun-28	18-Oct-06	Method And Apparatus For Injecting Transient Hardware Faults For Software Testing
Chakraborty 5 (TJ)	Chakraborty 5 (TJ)-US-NP	US6124715	09/059012		US	26-Sep-00	13-Apr-18	13-Apr-98	Testing Of Live Circuit Boards
Chambers 1 (MS)	Chambers 1 (MS)-US-NP	US7436851	09/280618		US	14-Oct-08	29-Mar-19	29-Mar-99	Destination Call Routing Apparatus And Method
Chambers 1-1-9-2 (JM)	Chambers 1-1-9-2 (JM)-US-NP	US6820090	10/103922	20030182293	US	16-Nov-04	22-Mar-22	22-Mar-02	Method For Generating Quantiles From Data Streams
Chambers 3-3-1-3 (MD)	Chambers 3-3-1-3 (MD)-US-NP	US6782254	09/364724		US	24-Aug-04	30-Jul-19	30-Jul-99	Handling Of Forward-To Numbers Across Regional And Political Boundaries
Chambers 7-5-1-8 (MD)	Chambers 7-5-1-8 (MD)-US-NP	US7113787	10/758849	20050159160	US	26-Sep-06	18-Dec-24	16-Jan-04	Wireless Priority Service For Intersystem Call Delivery
Chambers 9-15-9 (MD)	Chambers 9-15-9 (MD)-US-NP	US8521543	10/796425	20050216382	US	27-Aug-13	2-Aug-30	9-Mar-04	Method And Apparatus For Load-Based Billing In Communication Networks
									Methods And Apparatus For Improved Transmission
Chan 3-20 (M)	Chan 3-20 (M)-US-NP	US8230106	10/403551	20040215753	US	24-Jul-12	1-Jul-29	31-Mar-03	Control Protocol Transmission Over A Wireless Channel Exhibiting Rate And Delay Variations Control Of Stress In Metal Films By Controlling The
Chan 3-3 (H)	Chan 3-3 (H)-US-NP	US6933004	10/441457		US	23-Aug-05	10-Jul-23	20-May-03	Temperature During Film Deposition Centralized Cell Homing And Load Balancing In A
Chan 5-1-22-5-29 (M)	Chan 5-1-22-5-29 (M)-JP-NP	JP4767572	2005100626	2005304019	JP	24-Jun-11	31-Mar-25	31-Mar-05	Base Station Controller Centralized Cell Homing And Load Balancing In A
Chan 5-1-22-5-29 (M)	Chan 5-1-22-5-29 (M)-KR-NP	KR101170983	20050025148		KR	30-Jul-12	25-Mar-25	25-Mar-05	Base Station Controller Centralized Cell Homing And Load Balancing In A
Chan 5-1-22-5-29 (M)	Chan 5-1-22-5-29 (M)-US-NP	US7257409	10/813774	20050221839	US	14-Aug-07	7-Oct-24	31-Mar-04	Base Station Controller Conversion Of International Mobile Station Identity
Chandnani 1-1 (VS)	Chandnani 1-1 (VS)-JP-NP		2000101550		JP		3-Apr-20	3-Apr-00	(IMSI) Number Conversion Of International Mobile Station Identity
Chandnani 1-1 (VS)	Chandnani 1-1 (VS)-US-NP	US6445929	09/283143	20010016495	US	3-Sep-02	1-Apr-19	1-Apr-99	(IMSI) Number Network-Based Methods And Systems For
Chandranmenon 10-12-23- 24 (GP)	Chandranmenon 10-12-23-24 (GP)-JP-PCT	JP5839773	2009551664	2010520527	JP	20-Nov-15	11-Feb-28	11-Feb-08	Responding To Customer Requests Based On Provider Presence Information Network-Based Methods And Systems For
Chandranmenon 10-12-23- 24 (GP)	Chandranmenon 10-12-23-24 (GP)-EP-EPT		08725431.4	EP2132947	EP		11-Feb-28	11-Feb-08	Responding To Customer Requests Based On Provider Presence Information

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	TITLE
Chandranmenon 9-8-20 (GP)	Chandranmenon 9-8-20 (GP)-US- NP	US7643459	11/453800	20070291706	US	5-Jan-10	27-Aug-28	16-Jun-06	Methods, Devices And Architectures For Establishing Peer-To-Peer Sessions
Chandross 85-3-11-7-7-17-3- 3 (EA)	Chandross 85-3-11-7-7-17-3-3 (EA)-DE-EPA	EP1026546	99309584.3	EP1026546	DE	31-Jul-02	30-Nov-19	30-Nov-99	Recording Medium And Process For Forming Medium
Chandross 85-3-11-7-7-17-3- 3 (EA)	Chandross 85-3-11-7-7-17-3-3 (EA)-FR-EPA	EP1026546	99309584.3	EP1026546	FR	31-Jul-02	30-Nov-19	30-Nov-99	Recording Medium And Process For Forming Medium
Chandross 85-3-11-7-7-17-3- 3 (EA)	Chandross 85-3-11-7-7-17-3-3 (EA)-GB-EPA	EP1026546	99309584.3	EP1026546	GB	31-Jul-02	30-Nov-19	30-Nov-99	Recording Medium And Process For Forming Medium
3 (EA)	Chandross 85-3-11-7-7-17-3-3 (EA)-JP-NP	JP3696458	11348002		JP	8-Jul-05	7-Dec-19	7-Dec-99	Recording Medium And Process For Forming Medium
Chang 11 (S)	Chang 11 (S)-US-NP	US7020821	09/791201	20020161851	US	28-Mar-06	13-May-23	22-Feb-01	Redundant Packet Network Architecture
Chang 2 (LF) Chang 2-1-7 (L)	Chang 2 (LF)-US-NP Chang 2-1-7 (L)-US-NP	US7020144 US6335703	09/825397 09/515950		US US	28-Mar-06 1-Jan-02	13-Dec-23 29-Feb-20	3-Apr-01 29-Feb-00	High Capacity Multi-AAL System For VTOA Gateway Patch Antenna With Finite Ground Plane
Chang 3-2-8 (L)	Chang 3-2-8 (L)-US-NP	US6346913	09/515229		US	12-Feb-02	29-Feb-20	29-Feb-00	Patch Antenna With Impedance Transformer And Methods For Making Same
Chang 4 (Y)	Chang 4 (Y)-US-NP	US6058113	08/940251		US	2-May-00	30-Sep-17	30-Sep-97	Method For Enhancing Resource Reservation Communications
Chang 4-2-9 (SS)	Chang 4-2-9 (SS)-US-NP	US7003377	10/736002	20050128703	US	21-Feb-06	8-Apr-24	15-Dec-03	Controlling Cooling Air Intake For Air Cooled Equipment
Chang 6 (Y)	Chang 6 (Y)-US-NP	U56304648	09/217503		US	16-Oct-01	21-Dec-18	21-Dec-98	Multimedia Conference Call Participant Identification System And Method Method And System For Interleaving Of Full Rate
Chang 6-17-1-41 (KK)	Chang 6-17-1-41 (KK)-US-NP	U56813252	09/738344	20010040883	US	2-Nov-04	23-Jan-23	15-Dec-00	Channels Suitable For Half Duplex Operation And Statistical Multiplexing
Chang 8-23 (KK) Chao 2-8 (ET)	Chang 8-23 (KK)-US-NP Chao 2-8 (ET)-US-NP	US6701153 US6236720	09/628011 09/187957		US US	2-Mar-04 22-May-01	28-Jul-20 6-Nov-18	28-Jul-00 6-Nov-98	Methods And Systems For Determining The Location Of Mobiles In A UMTS Telecommunications System Distributed Subcriber Adjunct Services System
Chaplin 1-3-3-4-32 (S)	Chaplin 1-3-3-4-32 (S)-US-NP	US6162711	09/232114		US	19-Dec-00	15-Jan-19	15-Jan-99	In-Situ Boron Doped Polysilicon With Dual Layer And Dual Grain Structure For Use In Integrated Circuits Manufacturing
Charriere 12-4-13 (P)	Charriere 12-4-13 (P)-DE-EPA	EP1311076	01309520.3		DE	7-Mar-07	12-Nov-21	12-Nov-01	Control Of The Transmission Power Of A CDMA Based System
Charriere 12-4-13 (P)	Charriere 12-4-13 (P)-FR-EPA	EP1311076	01309520.3		FR	7-Mar-07	12-Nov-21	12-Nov-01	Control Of The Transmission Power Of A CDMA Based System
Charriere 12-4-13 (P)	Charriere 12-4-13 (P)-GB-EPA	EP1311076	01309520.3		GB	7-Mar-07	12-Nov-21	12-Nov-01	Control Of The Transmission Power Of A CDMA Based System
Charriere 12-4-13 (P)	Charriere 12-4-13 (P)-US-NP	US7136666	10/290619	20030092463	US	14-Nov-06	6-Jun-24	8-Nov-02	Control Of The Transmission Power Of A CDMA Based System
Chatterjee 1 (R) Chatterjee 1 (R)	Chatterjee 1 (R)-TW-NP Chatterjee 1 (R)-US-NP	TWNI-140420 US6424707	88106297 09/062764	453125	TW US	1-Sep-01 23-Jul-02	12-Aug-19 20-Apr-18	12-Aug-99 20-Apr-98	Point-To-Point-To-Point Calling Point-To-Point-To-Point Calling
Chavez 3-8-1 (FH)	Chavez 3-8-1 (FH)-US-NP	US6255860	09/116864		US	3-Jul-01	16-Jul-18	16-Jul-98	Pulse Detection Circuit, Method Of Operation Thereof And Fan Assembly Test Circuit Employing The Same
Chen 1-1 (S)	Chen 1-1 (S)-US-NP	US6301233	09/164496		US	9-Oct-01	1-Oct-18	1-Oct-98	Efficient Flexible Channel Allocation In A Wireless Telecommunications System
Chen 1-1-2-1-1 (OP)	Chen 1-1-2-1-1 (OP)-US-NP	US7941146	11/651520	20070254660	US	10-May-11	2-Oct-29	10-Jan-07	Method For Handling Subscriber Input During Interswitch Handover In A Communication System Process For Making Crystalline Structures Having
Chen 1-1-33-12 (G)	Chen 1-1-33-12 (G)-US-NP	US7168266	10/383150	20040172973	US	30-Jan-07	20-Jul-24	6-Mar-03	Interconnected Pores And High Refractive Index Contrasts
Chen 1-17-1 (S)	Chen 1-17-1 (S)-US-NP	US6772179	10/034450	20030126116	US	3-Aug-04	28-Dec-21	28-Dec-01	System And Method For Improving Index Performance Through Prefetching
Chen 1-2 (F)	Chen 1-2 (F)-US-NP	US7596140	10/613104	20050007960	US	29-Sep-09	14-Jul-28	7-Jul-03	Methods And Devices For Creating Bi-Directional LSPs Article Comprising A Power Amplifier With Feed
Chen 1-2 (J)	Chen 1-2 (J)-US-NP	US5963091	09/053469		US	5-Oct-99	1-Apr-18	1-Apr-98	Forward Linearizer Using A RLS Parameter Tracking Algorithm Smooth Method For Adjusting Downlink Transmitted
Chen 1-2-15 (X)	Chen 1-2-15 (X)-US-NP	US7123931	10/385320	20040209636	US	17-Oct-06	14-Jun-24	10-Mar-03	Power A Through Via Plate Electrical Connector And Method
Chen 13-3-3 (SS)	Chen 13-3-3 (SS)-US-NP	US6206708	09/482837		US	27-Mar-01	13-Jan-20	13-Jan-00	Of Manufacture Thereof Time Division Multiplexing A DC-To-DC Voltage
Chen 14-1-24 (G)	Chen 14-1-24 (G)-US-NP	US8247999	12/009851	20090184659	US	21-Aug-12	16-Oct-28	22-Jan-08	Converter Integrated Active Cooling Device For Board Mounted
Chen 15-5-4 (SS)	Chen 15-5-4 (SS)-US-NP	US6263957	09/482839		US	24-Jul-01	13-Jan-20	13-Jan-00	Electronic Components
Chen 16-6 (SS) Chen 18-3 (XX)	Chen 16-6 (SS)-US-NP Chen 18-3 (XX)-US-NP	US6394175 US6987743	09/483041 09/919023	20020122412	US	28-May-02 17-Jan-06	13-Jan-20 25-Oct-23	13-Jan-00 31-Jul-01	Top Mounted Cooling Device Using Heat Pipes Method Of Supporting Seamless Hand-Off In A Mobile Telecommunications Network
Chen 2 (GM)	Chen 2 (GM)-US-NP	US6130907	09/006983		US	10-Oct-00	14-Jan-18	14-Jan-98	Interference Detection For Spread Spectrum Systems
Chen 2 (GM)	Chen 2 (GM)-KR-NP	KR346323	19990000670		KR	15-Jul-02	13-Jan-19	13-Jan-99	Interference Detection For Spread Spectrum Systems
Chen 20-10 (SS)	Chen 20-10 (SS)-US-NP	US6386844	09/505086		US	14-May-02	16-Feb-20	16-Feb-00	Miniature Liquid Transfer Pump And Method Of Manufacturing The Same
Chen 2-3-16 (X)	Chen 2-3-16 (X)-US-NP	US7155250	10/385345	20040180685	US	26-Dec-06	4-Aug-24	10-Mar-03	Fast Method For Adjusting Downlink Transmitted Power
Chen 23-6-6-1-4-2-2 (Y)	Chen 23-6-6-1-4-2-2 (Y)-US-NP	US6538486	09/686236		US	25-Mar-03	11-Oct-20	11-Oct-00	Latch Chain Having Improved Sensitivity
Chen 3-2 (H) Chen 3-26 (B)	Chen 3-2 (H)-US-NP Chen 3-26 (B)-JP-DIV	US7541953	11/318188 2007188957	20070146182	US JP	2-Jun-09	23-Dec-25 22-Apr-18	23-Dec-05 22-Apr-99	Self-Calibrating Current Source Arrays Technique for Communicating Digitally Modulated Signals Over An Amplitude-Modulation Frequency Band
Chen 3-26 (B)	Chen 3-26 (B)-US-NP	US6445750	09/064938		US	3-Sep-02	22-Apr-18	22-Apr-98	Technique for Communicating Digitally Modulated Signals Over An Amplitude-Modulation Frequency Band
Chen 3-37-3-4-25 (T)	Chen 3-37-3-4-25 (T)-US-NP	US6920598	09/861740	20020174395	US	19-Jul-05	9-Dec-22	21-May-01	System And Method For Error Recovery Using NAKs
Chen 3-4-17 (X)	Chen 3-4-17 (X)-US-NP	US7181235	10/385019	20040180684	US	20-Feb-07	6-Aug-24	10-Mar-03	Hybrid Method For Adjusting Downlink Transmitted Power
Chen 4-27 (B)	Chen 4-27 (B)-US-NP	US6108386	09/055082		US	22-Aug-00	3-Apr-18	3-Apr-98	List Viterbi Algorithms For Continuous Data Transmission
Chen 4-7 (C)	Chen 5-17 (C)-US-DIV	US7062142	10/699091	20040091624	US	13-Jun-06	13-Jun-22	31-Oct-03	Organosilicate Materials With Mesoscopic Structures

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	NO TRAITERS	APPLICATION DATE	11116
Chen 54-26-14-8 (Y)	Chen 54-26-14-8 (Y)-US-NP	US7548668	11/944183		US	16-Jun-09	21-Nov-27	21-Nov-07	Programmable Optical Array
Chen 5-8-3 (J)	Chen 5-8-3 (J)-JP-NP	JP3756383	2000166157		JP	6-Jan-06	2-Jun-20	2-Jun-00	Code Assignment In A CDMA Wireless System
Chen 5-8-3 (J) Chen 6 (JC)	Chen 5-8-3 (J)-US-NP Chen 6 (JC)-US-NP	US7035238 US6108469	09/353460 09/201174		US US	25-Apr-06	13-Jul-19 30-Nov-18	13-Jul-99 30-Nov-98	Code Assignment In A CDMA Wireless System  Wavelength Selective Resonant Gratings
Chen 60-18-12 (Y)	Chen 60-18-12 (Y)-KR-PCT	KR101195299	20107020777		KR	22-Aug-00 22-Oct-12	17-Mar-29	17-Mar-09	Self-Calibrating Integrated Photonic Circuits And Method Of Control Thereof
									Self-Calibrating Integrated Photonic Circuits And
Chen 60-18-12 (Y) Chen 6-26 (P)	Chen 60-18-12 (Y)-US-NP Chen 7-30 (P)-US-CIP	US7688872 US7782899	12/050225 11/349273	20090238557	US US	30-Mar-10 24-Aug-10	18-Mar-28 18-Jul-28	18-Mar-08 8-Feb-06	Method Of Control Thereof  Multiple Carrier Resource Management
Chen 6-42-1 (X)	Chen 6-42-1 (X)-GB-EPA	EP1096814	99308388.0	EP1096814	GB	16-Aug-06	25-Oct-19	25-Oct-99	Radio Communication Network
Chen 8-2 (X)	Chen 8-2 (X)-US-NP	US6201793	09/039699		US	13-Mar-01	16-Mar-18	16-Mar-98	Packet Delay Estimation In High Speed Packet Switches
Chen 8-34 (B)	Chen 8-34 (B)-US-NP	US6768778	09/217655		US	27-Jul-04	21-Dec-18	21-Dec-98	Optimal Complementary Punctured Convolutional Codes
Chen 9-1-26 (HZ)	Chen 9-1-26 (HZ)-US-NP	US6377645	09/307012		US	23-Apr-02	7-May-19	7-May-99	Method And Apparatus For Controlling Bit Slippage In High-Speed Communications Systems
Cheng 1 (F)	Cheng 1 (F)-US-NP	US7376119	10/422844	20040213199	US	20-May-08	21-Dec-25	25-Apr-03	Method Of Controlling Downlink Transmission Timing In Communication Systems
Cheng 12-7-1-1 (TS)	Cheng 12-7-1-1 (TS)-IN-NP	IN202208	49/MAS/2001		IN	3-Oct-06	17-Jan-21	17-Jan-01	Method And System For Dynamic Downlink Power Control In A Time-Division, Multiplex Wireless Systems Method And System For Dynamic Downlink Power
Cheng 12-7-1-1 (TS)	Cheng 12-7-1-1 (TS)-US-NP	US6411817	09/488543		US	25-Jun-02	21-Jan-20	21-Jan-00	Control In A Time-Division, Multiplex Wireless Systems
Cheng 17-9-7 (F)	Cheng 17-9-7 (F)-US-NP	US8412249	11/313258	20070142067	US	2-Apr-13	2-Feb-28	20-Dec-05	Resource Allocation Based On Interference Mitigation In A Wireless Communication System
Cheng 18-11-8 (F)	Cheng 18-11-8 (F)-US-NP	US8150412	11/368790	20070207828	US	3-Apr-12	11-Oct-30	6-Mar-06	Interference Mitigation In A Wireless Communication System
	-								A Random Access Channel Message Format For An
Cheng 28-21-16-29-15 (F)	Cheng 28-21-16-29-15 (F)-US-NP		11/741068	20080267134	US	16-Aug-11	24-Apr-30	27-Apr-07	Extended Range Wireless Communication System
Cheng 29-17-16 (F) Cheng 30-18 (F)	Cheng 29-17-16 (F)-US-NP Cheng 30-18 (F)-TW-NP	US8345804 TWI469608	11/946541 097136483	20080310561 200939722	US TW	1-Jan-13 11-Jan-15	16-Dec-29 23-Sep-28	28-Nov-07 23-Sep-08	Simplified RACH Preamble Detection Receiver Multiplexing Of PUCCH Information
Cheng 30-18 (F)	Cheng 30-18 (F)-US-PCT	US9319195	12/237849	20090196238	US	19-Apr-16	11-May-34	25-Sep-08	Multiplexing PUCCH Information
Cheng 30-18 (F)	Cheng 34-20-17 (F)-US-NP	US8351532	12/239983	20090196370	US	8-Jan-13	19-Sep-30	29-Sep-08	Iterative Interference Cancellation  Method And Apparatus For Determining Forward And
Cheng 3-1 (TS)	Cheng 3-1 (TS)-KR-NP	KR0319238	19990000689		KR	17-Dec-01	13-Jan-19	13-Jan- <del>9</del> 9	Reverse Link Performance In A Wireless Communication System
Cheng 3-1 (TS)	Cheng 3-1 (TS)-US-NP	US6154638	09/008255		US	28-Nov-00	16-Jan-18	16-Jan-98	Method And Apparatus For Determining Forward And Reverse Link Performance In A Wireless Communication System Shared Control and Signaling Channel for Users
Cheng 3-9 (F)	Cheng 3-9 (F)-US-NP	US7680507	10/286946	20040087325	US	16-Mar-10	23-Nov-23	4-Nov-02	Subscribing to Data Services in a Communication System
Cheng 6-2 (TS)	Cheng 6-2 (TS)-DE-EPA	EP0991206	99307470.7	EP0991206	DE	16-Jul-03	21-Sep-19	21-Sep-99	CDMA Power Control For Paging And Initial Traffic Channel Power
Cheng 6-2 (TS)	Cheng 6-2 (TS)-FI-EPA	EP0991206	99307470.7	EP0991206	FI	16-Jul-03	21-Sep-19	21-Sep-99	CDMA Power Control For Paging And Initial Traffic Channel Power
Cheng 6-2 (TS)	Cheng 6-2 (TS)-FR-EPA	EP0991206	99307470.7	EP0991206	FR	16-Jul-03	21-Sep-19	21-Sep-99	CDMA Power Control For Paging And Initial Traffic Channel Power CDMA Power Control For Paging And Initial Traffic
Cheng 6-2 (TS)	Cheng 6-2 (TS)-GB-EPA	EP0991206	99307470.7	EP0991206	GB	16-Jul-03	21-Sep-19	21-Sep-99	CDMA Power Control For Paging And Initial Traffic Channel Power CDMA Power Control For Paging And Initial Traffic
Cheng 6-2 (TS) Cheng 7-3 (TS)	Cheng 6-2 (TS)-US-NP Cheng 7-3 (TS)-US-NP	US6963750 US6353602	09/163396 09/131390		US US	8-Nov-05 5-Mar-02	30-Sep-18 7-Aug-18	30-Sep-98 7-Aug-98	Channel Power CDMA Base Station Assisted Soft Handoff
Cheng 8-15-18 (F)	Cheng 8-15-18 (F)-DE-EPA	EP1508980	04254623.4	EP1508980	DE	21-Nov-07	31-Jul-24	31-Jul-04	Enhanced Uplink Data Transmission
Cheng 8-15-18 (F)	Cheng 8-15-18 (F)-FR-EPA	EP1508980	04254623.4	EP1508980	FR	21-Nov-07	31-Jul-24	31-Jul-04	Enhanced Uplink Data Transmission
		EP1508980	04254623.4	EP1508980	GB	21-Nov-07	31-Jul-24		Enhanced Uplink Data Transmission
Cheng 8-15-18 (F)	Cheng 8-15-18 (F)-JP-NP	JP4589055	2004238963	2005065303	JP	17-Sep-10	19-Aug-24	19-Aug-04	Enhanced Uplink Data Transmission
Cheng 8-15-18 (F)	Cheng 8-15-18 (F)-US-NP	US7564867	10/642581	20050053088	US	21-Jul-09	19-Feb-26	19-Aug-03	Enhanced Uplink Data Transmission
Cheng 8-15-18 (F)	Cheng 8-15-18 (F)-KR-NP	KR101168424	20040064943	20050020948	KR	18-Jul-12	18-Aug-24	18-Aug-04	Enhanced Uplink Data Transmission
Cheng 8-5-4-38-1-14 (TS)	Cheng 8-5-4-38-1-14 (TS)-DE- EPA	EP0984649	99306307.2	EP0984649	DE	27-Dec-06	10-Aug-19	10-Aug-99	Triggering Handdowns And Handoffs Of Mobile Stations Between Bordering Cells Of Cellular Wireless Communication Systems
Cheng 8-5-4-38-1-14 (TS)	Cheng 8-5-4-38-1-14 (TS)-ES-EPA	EP0984649	99306307.2	EP0984649	ES	27-Dec-06	10-Aug-19	10-Aug-99	Triggering Handdowns And Handoffs Of Mobile Stations Between Bordering Cells Of Cellular Wireless Communication Systems Triggering Handdowns And Handoffs Of Mobile
Cheng 8-5-4-38-1-14 (TS)	Cheng 8-5-4-38-1-14 (TS)-FI-EPA	EP0984649	99306307.2	EP0984649	FI	27-Dec-06	10-Aug-19	10-Aug-99	Stations Between Bordering Cells Of Cellular Wireless Communication Systems Triggering Handdowns And Handoffs Of Mobile
Cheng 8-5-4-38-1-14 (TS)	Cheng 8-5-4-38-1-14 (TS)-FR-EPA	EP0984649	99306307.2	EP0984649	FR	27-Dec-06	10-Aug-19	10-Aug-99	Stations Between Bordering Cells Of Cellular Wireless Communication Systems
Cheng 8-5-4-38-1-14 (TS)	Cheng 8-5-4-38-1-14 (TS)-GB- EPA	EP0984649	99306307.2	EP0984649	GB	27-Dec-06	10-Aug-19	10-Aug-99	Triggering Handdowns And Handoffs Of Mobile Stations Between Bordering Cells Of Cellular Wireless Communication Systems Triggering Handdowns And Handoffs Of Mobile
Cheng 8-5-4-38-1-14 (TS)	Cheng 8-5-4-38-1-14 (TS)-IT-EPA	EP0984649	99306307.2	EP0984649	ІТ	27-Dec-06	10-Aug-19	10-Aug-99	Stations Between Bordering Cells Of Cellular Wireless Communication Systems Triggering Handdowns And Handoffs Of Mobile
Cheng 8-5-4-38-1-14 (TS)	Cheng 8-5-4-38-1-14 (TS)-JP-DIV	JP4794362	2006157032	2006319997	JP	5-Aug-11	17-Aug-18	7-Aug-99	Triggering Handdowns And Handoffs Of Mobile Stations Between Bordering Cells Of Cellular Wireless Communication Systems Triggering Handdowns And Handoffs Of Mobile
Cheng 8-5-4-38-1-14 (TS)	Cheng 8-5-4-38-1-14 (TS)-KR-NP	KR646120	19990033653		KR	8-Nov-06	16-Aug-19	16-Aug-99	Stations Between Bordering Cells Of Cellular Wireless Communication Systems
Cheng 8-5-4-38-1-14 (TS)	Cheng 8-5-4-38-1-14 (TS)-NL- EPA	EP0984649	99306307.2	EP0984649	NL	27-Dec-06	10-Aug-19	10-Aug-99	Triggering Handdowns And Handoffs Of Mobile Stations Between Bordering Cells Of Cellular Wireless Communication Systems Triggering Handdowns And Handoffs Of Mobile
Cheng 8-5-4-38-1-14 (TS)	Cheng 8-5-4-38-1-14 (TS)-SE-EPA	EP0984649	99306307.2	EP0984649	SE	27-Dec-06	10-Aug-19	10-Aug-99	Stations Between Bordering Cells Of Cellular Wireless Communication Systems

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION	APPLICATION	TITLE
0 5 4 20 4 44 (75)			00 (405404				47.4	47.4	Triggering Handdowns And Handoffs Of Mobile Stations Between Bordering Cells Of Cellular Wireless
Cheng 8-5-4-38-1-14 (TS)	Cheng 8-5-4-38-1-14 (TS)-US-NP	US6//1963	09/135191		US	3-Aug-04	17-Aug-18	17-Aug-98	Communication Systems  Erasure Decoding Optimization Of
Cheng 9-16 (F)	Cheng 9-16 (F)-DE-EPA	EP1509060	04254624.2	EP1509060	DE	2-Dec-09	31-Jul-24	31-Jul-04	Acknowledgement/Negative Acknowledgement Information In A Wireless Communication System
									Erasure Decoding Optimization Of Acknowledgement/Negative Acknowledgement
Cheng 9-16 (F)	Cheng 9-16 (F)-FR-EPA	EP1509060	04254624.2	EP1509060	FR	2-Dec-09	31-Jul-24	31-Jul-04	Information In A Wireless Communication System  Erasure Decoding Optimization Of
Cheng 9-16 (F)	Cheng 9-16 (F)-GB-EPA	EP1509060	04254624.2	EP1509060	GB	2-Dec-09	31-Jul-24	31-Jul-04	Acknowledgement/Negative Acknowledgement Information In A Wireless Communication System
Cheng 9-16 (F)	Cheng 9-16 (F)-JP-NP	JP4607519	2004240194	2005073254	JP	15-Oct-10	20-Aug-24	20-Aug-04	Erasure Decoding Optimization Of Acknowledgement/Negative Acknowledgement Information In A Wireless Communication System
Cheng 9-16 (F)	Cheng 9-16 (F)-US-NP	U57331008	10/644864	20050042985	US	12-Feb-08	22-Mar-25	21-Aug-03	Erasure Decoding Optimization Of Acknowledgement/Negative Acknowledgement Information In A Wireless Communication System
Chengalvarayan 4 (R)	Chengalvarayan 4 (R)-US-NP	US6292776	09/266958		us	18-Sep-01	12-Mar-19	12-Mar-99	Hierarchical Subband Linear Predictive Cepstral Features For HMM-Based Speech Recognition
Cheong 4-1 (5)	Cheong 4-1 /S)-US-NP	1156517727	09/798707	20020123421	US	11-Feb-03	2-Mar-21	2-Mar-01	Ceramic Piezoelectric And Devices Using The
Cheong 4-1 (5) Cheong 4-1 (5)	Cheong 4-1 (S)-US-NP Cheong 6-2 (S)-US-DIV	US6517737 US6703765	10/267399	20020123421	US	11-Feb-03 9-Mar-04	2-Mar-21 2-Mar-21	2-Mar-01 9-Oct-02	Piezoelectric Devices Using A Ceramic Piezoelectric
Cherian 1-1-1-5-1 (BK)	Cherian 1-1-1-1-5-1 (BK)-US-NP	US7397764	10/426819	20040218531	US	8-Jul-08	31-Jan-26	30-Apr-03	Flow Control Between Fiber Channel And Wide Area Networks
Chiang 4-1-8-6 (T)	Chiang 4-1-8-6 (T)-US-NP	US6363424	09/388393		US	26-Mar-02	1-Sep-19	1-Sep-99	Reuse Of Services Between Different Domains using State Machine Mapping Technologies
Chichester 1-2 (RJ)	Chichester 1-2 (RJ)-US-NP	US5982499	09/024603		US	9-Nov-99	17-Feb-18	17-Feb-98	High Throughput Photoreflectance Technique And Apparatus Method And Apparatus For Warranty Cost
Chien 1-1-1-1-1-1 (Y)	Chien 1-1-1-1-1-1-1 (Y)-US-NP	US8131653	10/954678	20060069581	US	6-Mar-12	30-Aug-27	30-Sep-04	Calculation  Method and System of Enhancing Emergency Call
Chin 1-1-12 (FM)	Chin 1-1-12 (FM)-US-NP	US6721396	10/180824		US	13-Apr-04	26-Jun-22	26-Jun-02	Services
Chin 17-16-120 (FM)	Chin 17-16-120 (FM)-US-NP	US7535999	11/131755	20060262911	US	19-May-09	13-Feb-27	18-May-05	Voice Mail Bridging In Communication Systems System And Method For Delivering Incoming Calls To
Chin 2 (MW)	Chin 2 (MW)-US-NP	US7127244	10/224812	20040198349	US	24-Oct-06	12-Dec-23	21-Aug-02	Mobile Units In Border Cells Using Packet-Based Links
Chin 6-2-4-4 (FM)	Chin 6-2-4-4 (FM)-US-NP	US7570754	10/858989	20050271198	US	4-Aug-09	9-Sep-26	2-Jun-04	System And Method For Routing Calls In A Telecommunications Network
Chirovsky 15-39-66-9-6 (LMF)	Chirovsky 17-44-89-14-8 (LM)- US-DIV	U56485996	09/769024		US	26-Nov-02	27-Sep-18	25-Jan-01	Method of Making Wafer Having Top And Bottom Emitting Vertical-Cavity Lasers
Chittipeddi 74-21-4 (5)	Chittipeddi 74-21-4 (S)-US-NP	US6358785	09/588058		US	19-Mar-02	6-Jun-20	6-Jun-00	Method For Forming Shallow Trench Isolation Structures Perceptual-Based Spatio-Temporal Segmentation For
Chiu 1-14-17-25 (Y)	Chiu 1-14-17-25 (Y)-US-NP	US6360017	09/239135		US	19-Mar-02	28-Jan-19	28-Jan-99	Motion Estimation
Chiu 1-3 (SH) Chiu 1-3 (SH)	Chiu 1-3 (SH)-DE-EPA Chiu 1-3 (SH)-GB-EPA	EP1006217 EP1006217	99309320.2 99309320.2	EP1006217 EP1006217	DE GB	7-Mar-01 7-Mar-01	23-Nov-19 23-Nov-19	23-Nov-99 23-Nov-99	TIN ELECTROPLATING PROCESS TIN ELECTROPLATING PROCESS
Chiu 1-3 (SH)	Chiu 1-3 (SH)-JP-NP	JP3359602	11343859	11000217	JP	11-Oct-02	2-Dec-19	2-Dec-99	TIN ELECTROPLATING PROCESS
Chiu 1-3 (SH)	Chiu 1-3 (SH)-US-NP	US6342148	09/296574		US	29-Jan-02	22-Apr-19	22-Apr-99	TIN ELECTROPLATING PROCESS  Motion Vector Estimation Based On Statistical
Chiu 2-15 (Y)	Chiu 2-15 (Y)-US-NP	US6463164	09/137400		US	8-Oct-02	20-Aug-18	20-Aug-98	Features Of An Image Frame  Layered Video Coding Using Perceptual Coding
Chiu 3-16-1 (Y)	Chiu 3-16-1 (Y)-US-NP	US6233283	09/102811		US	15-May-01	23-Jun-18	23-Jun-98	Criteria For Error Resilience On Packet Networks
Chiu 5-1-5-2 (Y)	Chiu 5-1-5-2 (Y)-US-NP	US6771824	09/473809		US	3-Aug-04	28-Dec-19	28-Dec-99	Adaptive Variable Length Decoding Method
Chiu 5-1-5-2 (Y)	Chiu 7-4-6-3 (Y)-US-DIV  Chiussi 22-1-10 (FM)-JP-NP	US7043088 JP4017867	10/910027 2002000603	20050008238	US JP	9-May-06 28-Sep-07	19-May-20	3-Aug-04 7-Jan-02	Adaptive Variable Length Decoding Method Method And Apparatus For Integrating Guaranteed- Bandwidth And Best-Effort Traffic In A Packet
Chiussi 22-1-10 (FM)  Chiussi 22-1-10 (FM)	Chiussi 22-1-10 (FM)-JP-NP		10/010582				7-Jan-22		Network Method And Apparatus For Integrating Guaranteed- Bandwidth And Best-Effort Traffic In A Packet
Chiussi 22-1-10 (FM) Chiussi 8-1 (FM)	Chiussi 8-1 (FM)-US-NP	US7099330 US6075791	08/959362		US	29-Aug-06 13-Jun-00	9-Oct-23 28-Oct-17	13-Nov-01 28-Oct-97	Network System For Guaranteeing Data Transfer Rates And Delays In Packet Networks
Choi 12-4-8 (JH)	Thomann 3-12 (BJ)-US-CIP	US6510226	09/489321		US	21-Jan-03	24-Nov-17	21-Jan-00	Dual Network Housing Device
Choudhury 5-3-1-2 (AK)	Choudhury 5-3-1-2 (AK)-US-NP	US6092115	08/961122		US	18-Jul-00	30-Oct-17	30-Oct-97	Method For Supporting Per-Connection Queuing For Feedback-Controlled Traffic
Chow 1-20 (S)	Chow 1-20 (S)-JP-PCT	JP5606543	2012536865	2013509807	JP	5-Sep-14	15-Oct-30	15-Oct-10	Self-Steering Directional LoudSpeakers And A Method Of Operation Thereof
Chowdhury 11-12 (A)	Chowdhury 11-12 (A)-JP-PCT	JP5058983	2008513501	2008543173	JP	10-Aug-12	1-May-26	1-May-06	Reducing Crosstalk In Optical Wavelength Converters
Chowdhury 11-12 (A)	Chowdhury 11-12 (A)-US-NP	US9054807	11/138007	20060269292	US	9-Jun-15	10-Jan-30	26-May-05	Reducing Crosstalk In Optical Wavelength Converters
Chowdhury 1-12-2-1-1 (S)	Chowdhury 1-12-2-1-1 (S)-US-NP	US7774012	11/699943	20080181145	US	10-Aug-10	25-Apr-29	30-Jan-07	Method For RTP Setup Coordination For Talk Groups When Interconnecting Public Safety Wireless Networks And Commercial Wireless Networks
Chowdhury 14-14 (A)	Chowdhury 14-14 (A)-IN-PCT		62/CHENP/2009	62/CHENP/2009	IN		10-Jul-27	10-Jul-07	Reducing Crosstalk In Free-Space Optical Communications
Chowdhury 2-13-3-2-2 (S)	Chowdhury 2-13-3-2-2 (S)-US-NP	US7974650	11/708297	20080200162	US	5-Jul-11	8-Feb-30	20-Feb-07	Interoperability Between Different Types Of Wireless Networks For Push To Talk Group Calls
Chowdhury 4-11-4 (A)	Chowdhury 4-11-4 (A)-US-NP	US7079714	10/631649	20040136634	US	18-Jul-06	8-Nov-23	31-Jul-03	Electro-Optic Devices Having Flattened Frequency Response With Reduced Drive Voltage  Woolpoorth Philippe Multiplewed System having
Chraplyvy 23-12-1-21 (AR)	Chraplyvy 23-12-1-21 (AR)-US- NP	US6381048	09/153605		US	30-Apr-02	15-Sep-18	15-Sep-98	Wavelength Division Multiplexed System having Reduced Cross-Phase Modulation Method And Apparatus For Wavelength-Division
Chraplyvy 24 (AR) Chraplyvy 27-13-15-22-14	Chraplyvy 24 (AR)-US-NP Chraplyvy 27-13-15-22-14 (AR)-	US6363181	09/396862		US	26-Mar-02	15-Sep-19	15-Sep-99	Multiplexing Lightwave Communication Systems Using
(AR) Chraplyvy 27-13-15-22-14	JP-NP Chraplyvy 27-13-15-22-14 (AR)-	JP3734999	2000037111		JP	28-Oct-05	15-Feb-20	15-Feb-00	Semiconductor Optical Amplifiers Lightwave Communication Systems Using
(AR)	US-NP	US6473212	09/253259		US	29-Oct-02	19-Feb-19	19-Feb-99	Semiconductor Optical Amplifiers

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	Grant Number	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	NTLE
Chromatis 2	Chromatis 2 ()-US-NP	US6471413	09/811004		US	29-Oct-02	16-Mar-21	16-Mar-01	Method and Apparatus for Protecting Fiber Optic Connectors
	Chromatis 6 ()-US-PCT	US7400828	09/914523		US	15-Jul-08	14-Jul-19	14-Jul-99	Fault Protection In Networks Route Optimization Of Media Channel In Mobile
Chu 10 (TP)	Chu 10 (TP)-US-NP	US7643446	11/583273	20080096570	US	5-Jan-10	2-Mar-28	18-Oct-06	Wireless Network
									System And Method For Optimizing A Wireless Network By Adaptive Configuration Of Base Stations
Chu 14-50-35 (T)	Chu 14-50-35 (T)-US-NP	US6496707	09/012512		US	17-Dec-02	23-Jan-18	23-Jan-98	And Wireless Terminals Peer-To-Peer Communication Between Different
Chu 15-2-44 (TP)	Chu 15-2-44 (TP)-US-NP	US7720976	12/059105	20090248800	US	18-May-10	5-Nov-28	31-Mar-08	Types Of Internet Hosts
Chu 17-40-46 (TP)	Chu 17-40-46 (TP)-US-NP	US7778204	12/179872	20100020719	US	17-Aug-10	17-Oct-28	25-Jul-08	Automatic Maintenance Of A Distributed Source Tree(DST) Network
Chu 19-43 (TP)	Chu 19-43 (TP)-KR-PCD	KR101433702	20147008205		KR	19-Aug-14	1-Dec-30	1-Dec-10	Method And Apparatus For Locating Services Within Peer-To-Peer Networks
Chu 19-43 (TP)	Chu 19-43 (TP)-US-NP		12/640072	20110153634	US		17-Dec-29	17-Dec-09	Method And Apparatus For Locating Services Within Peer-To-Peer Networks
, ,	, ,								Method And Architecture For Service Location In
Chu 19-43 (TP)	Chu 19-43 (TP)-EP-EPT		10793358.2	EP2514175	EP		1-Dec-30	1-Dec-10	Chord Networks
Chu 2-12-1 (TP)	Chu 2-12-1 (TP)-US-NP	US8656050	10/252796	20040059831	US	18-Feb-14	13-Apr-29	24-Sep-02	Methods And Systems For Efficiently Configuring IP- Based, Virtual Private Networks
	,								Methods And Devices For Converting Routing Data
Chu 4-4-5 (TP)	Chu 4-4-5 (TP)-US-CNT	US9124567	13/342637	20120140772	US	1-Sep-15	14-Mar-23	3-Jan-12	From One Protocol To Another In A Virtual Private Network
									Method And Apparatus For Establishment And Management Of Voice-Over IP Virtual Private
Chu 6-4-6-10 (TP)	Chu 6-4-6-10 (TP)-US-NP	US7486684	10/674885	20050068942	US	3-Feb-09	2-Jun-26	30-Sep-03	Networks In IP-Based Communication Systems
Chua 1-36-1 (LM)	Chua 1-36-1 (LM)-US-NP	US6610599	10/175459		US	26-Aug-03	19-Jun-22	19-Jun-02	Removal Of Metal Veils From Via Holes
									Method For Establishment Of The Power Level For Uplink Data Transmission InA Multiple Access System
Chuah 10 (MC)	Chuah 10 (MC)-US-NP	US6285665	09/083797		US	4-Sep-01	22-May-18	22-May-98	For Communications Networks  Method For Access Control In A Multiple Access
Chuah 11 (MC)	Chuah 11 (MC)-US-NP	US6567416	09/084072		US	20-May-03	22-May-18	22-May-98	System For Communications Networks
Chuah 11 (MC)	Chuah 69 (MC)-US-DIV	US7197025	10/389744		US	27-Mar-07	9-Apr-20	18-Mar-03	Method For Paging A Device In A Wireless Network
Chuah 19-11 (MC)	Chuah 19-11 (MC)-US-NP	US6735190	09/176707		US	11-May-04	21-Oct-18	21-Oct-98	Packet Transport Method And Device Utilizing Header Removal Fields
Chuah 24-16-4 (MC)	Chuah 24-16-4 (MC)-DE-EPA	EP1006743	99309317.8	EP1006743	DE	18-Jan-06	23-Nov-19	23-Nov-99	Methods And Apparatus For Providing Short RACH Frames For Fast Latency
					- FD				Methods And Apparatus For Providing Short RACH
. ,	Chuah 24-16-4 (MC)-FR-EPA	EP1006743	99309317.8	EP1006743	FR	18-Jan-06	23-Nov-19	23-Nov-99	Frames For Fast Latency Methods And Apparatus For Providing Short RACH
Chuah 24-16-4 (MC)	Chuah 24-16-4 (MC)-GB-EPA	EP1006743	99309317.8	EP1006743	GB	18-Jan-06	23-Nov-19	23-Nov-99	Frames For Fast Latency Methods And Apparatus For Providing Short RACH
Chuah 24-16-4 (MC)	Chuah 24-16-4 (MC)-JP-NP	JP3607545	342786/1999	2000228787	JP	15-Oct-04	2-Dec-19	2-Dec-99	Frames For Fast Latency Methods And Apparatus For Providing Short RACH
Chuah 24-16-4 (MC)	Chuah 24-16-4 (MC)-US-NP	US6757293	09/203932		US	29-Jun-04	2-Dec-18	2-Dec-98	Frames For Fast Latency
Chuah 28-3-3 (MC)	Chuah 28-3-3 (MC)-US-NP	US6519254	09/259170		US	11-Feb-03	26-Feb-19	26-Feb-99	An RSVP-Based Tunnel Protocol Providing Integrated Services
Chuah 3 (MC)	Chuah 3 (MC)-US-NP	US6327254	09/083675		US	4-Dec-01	22-May-18	22-May-98	Method For Bandwidth Sharing In A Multiple Access System For Communications Networks
Chuah 31-42-5-22 (MC)	Chuah 31-42-5-22 (MC)-US-NP	US6704311	09/344781		US	9-Mar-04	25-Jun-19	25-Jun-99	Application-Level Switching Server For Internet Protocol (IP) Based Networks
									Providing Quality Of Service In Layer Two Tunneling
Chuah 32 (MC)	Chuah 32 (MC)-JP-NP	JP3737668	2000101549		JP	4-Nov-05	3-Apr-20	3-Apr-00	Protocol Networks Providing Quality Of Service In Layer Two Tunneling
Chuah 32 (MC)	Chuah 32 (MC)-US-NP	US6654808	09/285817		US	25-Nov-03	2-Apr-19	2-Apr-99	Protocol Networks
Chuah 34 (MC)	Chuah 34 (MC)-JP-NP	JP3732720	2000206313		JP	21-Oct-05	7-Jul-20	7-Jul-00	A RECEIVER INITIATED RECOVERY ALGORITHM (RIRA) FOR THE LAYER 2 TUNNELING PROTOCOL (L2TP)
Cridan 34 (IVIC)	Citair 54 (WC)-5F-14F	313732720	2000200313		31	21-001-03	7-341-20	7-501-00	
Chuah 34 (MC)	Chuah 34 (MC)-US-NP	US6487689	09/350431		US	26-Nov-02	8-Jul-19	8-Jul-99	A RECEIVER INITIATED RECOVERY ALGORITHM (RIRA) FOR THE LAYER 2 TUNNELING PROTOCOL (L2TP)
									A RECEIVER INITIATED RECOVERY ALGORITHM (RIRA)
Chuah 34 (MC)	Chuah 34 (MC)-DE-EPA	EP1067744	00305391.5	EP1067744	DE	6-Apr-05	27-Jun-20	27-Jun-00	FOR THE LAYER 2 TUNNELING PROTOCOL (L2TP)
									A RECEIVER INITIATED RECOVERY ALGORITHM (RIRA)
Chuah 34 (MC)	Chuah 34 (MC)-FR-EPA	EP1067744	00305391.5	EP1067744	FR	6-Apr-05	27-Jun-20	27-Jun-00	FOR THE LAYER 2 TUNNELING PROTOCOL (L2TP)
Chuah 34 (MC)	Chuah 34 (MC)-GB-EPA	EP1067744	00305391.5	EP1067744	GB	6-Apr-05	27-Jun-20	27-Jun-00	A RECEIVER INITIATED RECOVERY ALGORITHM (RIRA) FOR THE LAYER 2 TUNNELING PROTOCOL (L2TP)
			2000206312	21 200 17 11					A Sender-Initiated Recovery Algorithm (SIRA) For The
	Chuah 35 (MC)-JP-NP	JP3746418			JP	2-Dec-05	7-Jul-20	7-Jul-00	Layer 2 Tunneling Protocol (L2TP) A Sender-Initiated Recovery Algorithm (SIRA) For The
Chuah 35 (MC)	Chuah 35 (MC)-US-NP	US7085273	09/349571		US	1-Aug-06	8-Jul-19	8-Jul-99	Layer 2 Tunneling Protocol (L2TP)
Chuah 37-8-9 (MC)	Chuah 37-8-9 (MC)-US-NP	US6414950	09/138680		US	2-Jul-02	24-Aug-18	24-Aug-98	In Sequence Delivery Of Messages
Chuah 68-5-8 (MC)	Chuah 68-5-8 (MC)-US-NP	US7733896	10/222785	20040032877	US	8-Jun-10	22-Jan-29	19-Aug-02	Dynamic Access Priority Scheme
Chuah 70-30-9 (MC)	Chuah 70-30-9 (MC)-KR-NP	KR101098294	20040016829	20040083360	KR	19-Dec-11	12-Mar-24	12-Mar-04	Transmission Method For Communication Systems Supporting A Multicast Mode
Chuah 70-30-9 (MC)	Chuah 70-30-9 (MC)-US-NP	US7894468	10/391766	20040184471	US	22-Feb-11	30-Oct-29	20-Mar-03	Transmission Method For Communication Systems Supporting A Multicast Mode
Chuah 70-30-9 (MC)	Chuah 70-30-9 (MC)-JP-NP	JP4549706	200479378	2004289830	JP	16-Jul-10	19-Mar-24	19-Mar-04	Transmission Method For Communication Systems Supporting A Multicast Mode
CHARLES TO SO S (MC)		1313700		2301203030		15 301-10	15 (401-24	25 (10)-04	
	Chuah 72-7 (MC)-US-NP	US7171160	10/609776	20040266351	US	30-Jan-07	18-Jan-25	30-Jun-03	Method And Apparatus For Dynamic Frequency Selection In A Wireless Communications Network
	Chuah 7-3 (MC)-US-NP Chuah 18-14 (MC)-DE-EPA	US6449272 EP0986222	09/074745 99306934.3	EP0986222	US DE	10-Sep-02 6-Jan-10	8-May-18 31-Aug-19	8-May-98 31-Aug-99	A Multi-Hop Point-To-Point-Protocol  A Mobile Point-To-Point Protocol
Chuah 8-4 (MC)	Chuah 18-14 (MC)-DE-EPD Chuah 18-14 (MC)-FR-EPA	EP1549006 EP0986222	05001382.0 99306934.3	EP1549006 EP0986222	DE FR	19-Oct-11 6-Jan-10	31-Aug-19 31-Aug-19	31-Aug-99 31-Aug-99	A Mobile Point-To-Point Protocol A Mobile Point-To-Point Protocol
Chuah 8-4 (MC)	Chuah 18-14 (MC)-FR-EPD	EP1549006	05001382.0	EP1549006	FR	19-Oct-11	31-Aug-19	31-Aug-99	A Mobile Point-To-Point Protocol
	Chuah 18-14 (MC)-GB-EPA Chuah 18-14 (MC)-GB-EPD	EP0986222 EP1549006	99306934.3 05001382.0	EP0986222 EP1549006	GB GB	6-Jan-10 19-Oct-11	31-Aug-19 31-Aug-19	31-Aug-99 31-Aug-99	A Mobile Point-To-Point Protocol  A Mobile Point-To-Point Protocol
Chuah 8-4 (MC)	Chuah 18-14 (MC)-JP-NP Chuah 18-14 (MC)-US-CIP	JP3613453 US6496491	255014/1999 09/150403	2000115250	JP US	5-Nov-04 17-Dec-02	9-Sep-19 8-May-18	9-Sep-99 9-Sep-98	A Mobile Point-To-Point Protocol A Mobile Point-To-Point Protocol
Chuah 8-4 (MC)	Chuah 50-18 (MC)-US-CNT	US6917600	09/595347	44055555	US	12-Jul-05	4-Dec-20	15-Jun-00	Mobile Point-To-Point Protocol
Chuah 8-4 (MC)	Chuah 8-4 (MC)-JP-NP	JP3836272	126562/1999	11355271	JP	4-Aug-06	7-May-19	7-May-99	Mobile Point-To-Point Protocol

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

	CASE	GRANT	IARRUKCATEGIN	RUBLEGATEON	100000000000000000000000000000000000000	rssue	EXPERATION	(ARREIGATEON:	
FAMILY	REFERENCE	NUMBER	NUMBER	NUMBER	COUNTRY	DATE	DATE	DATE	TITLE
Chuah 8-4 (MC) Chuah 8-4 (MC)	Chuah 8-4 (MC)-US-NP Chuah 18-14 (MC)-JP-DIV	US6801509 JP4546173	09/074582 2004204197	2005045791	US JP	5-Oct-04 9-Jul-10	8-May-18 9-Sep-19	8-May-98 9-Sep-99	Mobile Point-To-Point Protocol A Mobile Point-To-Point Protocol
Chuang 3-3 (C)	Chuang 3-3 (C)-US-NP	US6760435	09/500191		US	6-Jul-04	8-Feb-20	8-Feb-00	Method And Apparatus For Network Speech
Chuang 5-5 (C)	chuang 5-5 (C)-O5-NP	030700433	09/300191		US	6-Jul-04	8-rep-20	8-760-00	Enhancement
Chung 2-19 (S)	Chung 2-19 (S)-JP-NP	JP5153036	2001106868		JP	14-Dec-12	5-Apr-21	5-Apr-01	Multilevel Coding With Unequal Error Protection And Time Diversity For Bandwidth Efficient Transmission
Chung 2-13 (3)	Chang 2-15 (5)-57-14F	3733330	2001100808		31	14-Dec-12	J*Apr*21	3-Apr-01	
Chung 2-19 (S)	Chung 2-19 (S)-US-NP	US7190732	09/765754	20010028684	US	13-Mar-07	7-Feb-24	19-Jan-01	Multilevel Coding With Unequal Error Protection And Time Diversity For Bandwidth Efficient Transmission
3			,						Apparatus And Method For Prolonging Battery Life In
Ciccone 5-4-4 (JL)	Ciccone 5-4-4 (JL)-US-NP	US6078819	08/969427		US	20-Jun-00	1-Nov-17	1-Nov-97	A Portable Unit Configured For Operating In A Frequency Hopping System
	. ,								Configuration File Framework To Support High
Cilli 1-6 (BR)	Cilli 1-6 (BR)-US-NP	US8959053	12/191091	20100042639	US	17-Feb-15	26-May-33	13-Aug-08	Availability Schema Based Upon Asynchronous Checkpointing
Ciurpita 4-3 (G)	Ciurpita 4-3 (G)-US-NP	US6516068	09/139183		US	4-Feb-03	25-Aug-18	25-Aug-98	Microphone Expander Configuring Optical Launch Powers In Optical Fiber
Claisse 1-13-2 (P)	Claisse 3-19-6 (PR)-US-DIV	US8938145	12/008481	20120170943	US	20-Jan-15	9-May-31	11-Jan-08	Transmission Lines
Claisse 2-17 (PR)	Claisse 2-17 (PR)-US-NP	US7965945	11/522785	20080069573	US	21-Jun-11	19-Feb-30	15-Sep-06	Flexible Dispersion Mapping
Clarisse 4-2-3 (OB)	Clarisse 4-2-3 (OB)-US-NP	US7496189	10/166194	20030228010	US	24-Feb-09	10-Jun-22	10-Jun-02	Caller Information Display Methods And Systems
Clark 1 (A)	Clark 1 (A)-US-NP	US6560326	09/295570		US	6-May-03	21-Apr-19	21-Apr-99	Service Brokering System For Intelligent Telecommunications Network
									Providing Of Service(s) By A Service Control
									Component To Telephony Device(s) On A Call Through Employment Of Data Strem(s) Associated
Clark 12-11 (EA)	Clark 12-11 (EA)-US-NP	US8094801	10/736408	20050129209	US	10-Jan-12	27-Jul-29	15-Dec-03	With The Call
Clark 7-7-3 (EA)	Clark 7-7-3 (EA)-US-NP	US7639664	10/449521	20040240381	US	29-Dec-09	27-Sep-28	30-May-03	Dynamic Management of Trunk Group Members
									Methods And Apparatus for Producing Ultrasonic
Clarke 14-1-2 (JE)	Clarke 14-1-2 (JE)-US-NP	US6220777	09/139145		US	24-Apr-01	24-Aug-18	24-Aug-98	Weld Joint Design For Injection Molded Plastic Parts
Claussen 14-47 (H)	Claussen 14-47 (H)-EP-EPT		07836249.8	EP2050293	EP		26-Jul-27	26-Jul-07	Changing The Scrambling Code Of A Base Station For Wireless Telecommunications
	• /								Automatic Allocation Of Geographically Joint Area
Claussen 34-29 (H)	Claussen 34-29 (H)-KR-PCT	KR10-1165585	20107027788		KR	9-Jul-12	24-Apr-29	24-Apr-09	Codes Automatic Allocation Of Geographically Joint Area
Claussen 34-29 (H)	Claussen 34-29 (H)-IN-PCT		7162/CHENP/2010	7162/CHENP/2010	IN		24-Apr-29	24-Apr-09	Codes
Claussen 34-29 (H)	Claussen 34-29 (H)-US-NP	US8179854	12/464321	20090285171	US	15-May-12	31-Jul-30	12-May-09	Allocating Base Stations To Location Areas In Cellular Telecommunications Networks
									Femtocell Base Station, And A Method Of Radio Communication In a Network Comprising A Femtocell
Claussen 39-7 (H)	Claussen 39-7 (H)-US-NP	US8285293	12/621196	20100130222	US	9-Oct-12	22-Sep-30	18-Nov-09	Base Station
Clifton 6-99-19 (MB)	Clifton 6-99-19 (MB)-US-NP	US6702661	10/303378		us	9-Mar-04	25-Nov-22	25-Nov-02	Cooling Method and Apparatus
Clifton 8-109-22 (MB)	Clifton 8-109-22 (MB)-US-NP	US6798657	10/448586		US	28-Sep-04	30-May-23	30-May-03	Self-Cooling Unit
Cl. 15 4 20 4 (US)	ol et a polatici uo uo	115575 4400	on tannan			22.1 04	0.4.40		Method Of Queue Length Based Burst Management
Cloutier 1-28-1 (JE)	Cloutier 1-28-1 (JE)-US-NP	US6754189	09/288368		US	22-Jun-04	8-Apr-19	8-Apr-99	In Wireless Communication Systems Remote Control Device And Method Of Using The
Cohen 1 (AI)	Cohen 1 (AI)-US-NP	US6388559	09/218188		US	14-May-02	22-Dec-18	22-Dec-98	Same Method Of Upstream Channel Modeling For A PCM
Cohen 3-3 (HB)	Cohen 3-3 (HB)-US-NP	US5887027	08/998249		US	23-Mar-99	24-Dec-17	24-Dec-97	Modem
									A Method And Apparatus For Transmitting Frequency
Coldren 2 (RA)	Coldren 2 (RA)-US-NP	US7743164	10/778556	20050198391	US	22-Jun-10	26-Feb-28	13-Feb-04	Shift Key Data In A Packetized Format
Conner 1 (KF)	Conner 1 (KF)-US-NP	US6597681	09/447790		US	22-Jul-03	23-Nov-19	23-Nov-99	Time-Based Mapping Of Control Channel Bursts In A Wireless Communication Network
				20000000000				2 4 27	Method And Apparatus For Generating One-Time
Cook 1-9-3 (DL)	Cook 1-9-3 (DL)-US-NP	US8954745	11/732199	20090328165	US	10-Feb-15	13-Nov-31	3-Apr-07	Passwords Coupling Of Splitter With Subset Of Plurality Of Lines
	Corvino 1-7-1-24-1-4 (PT)-US-NP	US6975620 IP3746414	09/776322	20020105941	US	13-Dec-05	19-May-23 8-Jun-20	2-Feb-01 8-Jun-00	On One-To-One Basis Signalling Radio Service Requirements
Costa 3-1-3 (M)	Costa 3-1-3 (M)-US-NP	US6862455	09/587524		US	1-Mar-05	5-Jun-20	5-Jun-00	Signalling Radio Service Requirements
Costa 3-1-3 (M)	Costa 3-1-3 (M)-DE-EPA	EP1059816	99304440.3	EP1059816	DE	17-Nov-04	8-Jun-19	8-Jun-99	Signalling Radio Service Requirements
Costa 3-1-3 (M) Costa 3-1-3 (M)	Costa 3-1-3 (M)-FR-EPA Costa 3-1-3 (M)-GB-EPA	EP1059816 EP1059816	99304440.3 99304440.3	EP1059816 EP1059816	FR GB	17-Nov-04 17-Nov-04	8-Jun-19 8-Jun-19	8-Jun-99 8-Jun-99	Signalling Radio Service Requirements Signalling Radio Service Requirements
6 . 005000						24 1 00			Location Area Identifier With Core Network identity
Costa 9-9-6-8 (M)	Costa 9-9-6-8 (M)-DE-EPT	EP1205083	00938805.9	EP1205083	DE	21-Jan-09	20-Jun-20	20-Jun-00	Field  Location Area Identifier With Core Network identity
Costa 9-9-6-8 (M)	Costa 9-9-6-8 (M)-FR-EPT	EP1205083	00938805.9	EP1205083	FR	21-Jan-09	20-Jun-20	20-Jun-00	Field  Location Area Identifier With Core Network identity
Costa 9-9-6-8 (M)	Costa 9-9-6-8 (M)-GB-EPT	EP1205083	00938805.9	EP1205083	GB	21-Jan-09	20-Jun-20	20-Jun-00	Field
Cowsar 1-1-1-3 (LC)	Cowsar 1-1-1-1-3 (LC)-US-NP	US6285372	09/075303		US	4-Sep-01	8-May-18	8-May-98	Multiresolution Adaptive Parameterization Of Surfaces
, ,									
Craft 11 (TF)	Craft 11 (TF)-US-NP	US7283365	11/037677	20060158846	US	16-Oct-07	28-Jan-26	18-Jan-05	Jet Impingement Cooling Apparatus And Method
Craft 4 (TF)	Craft 4 (TF)-US-NP	US6061975	09/096921		US	16-May-00	12-Jun-18	12-Jun-98	Telecommunications Equipment Enclosure System
Craft 6 (TF)	Craft 6 (TF)-US-NP	US6184474	09/177764		US	6-Feb-01	23-Oct-18	23-Oct-98	Device For Mangaging Wire And Cable For Electronic Systems
Craft 8-4-2-4-1 (TF)	Craft 8-4-2-4-1 (TF)-US-NP	US6407917	09/699746		US		30-Oct-20	30-Oct-00	
Craft 8-4-2-4-1 (1F)	Crevasse 30-28-11-5 (AM)-US-	056407917	09/699/46		US	18-Jun-02	30-Oct-20	30-Oct-00	Fluid Flow Management System  Method for Performing Chemical-Mechanical
Crevasse 1-10-4-1 (AM) Crevasse 29-76-59-123-52	DIV Crevasse 29-76-59-123-52 (AM)-	US6261958	09/450485		US	17-Jul-01	8-Oct-17	29-Nov-99	Polishing Reducing Polish Platen Corrosion During Integrated
(AM)	US-NP	US6264536	09/496115		US	24-Jul-01	1-Feb-20	1-Feb-00	Circuit Fabrication
Crowe 1-9-2-3-3 (DE)	Crowe 1-9-2-3-3 (DE)-US-NP	US6115460	08/885540		US	5-Sep-00	30-Jun-17	30-Jun-97	A Call ReDirection System
									Event Correlation Feature For A Telephone Network
Crowley 1-1 (JL)	Crowley 1-1 (JL)-US-NP	US6481005	08/170111		US	12-Nov-02	12-Nov-19	20-Dec-93	Operations Support System
Crowley 2-1-1 (JL)	Crowley 2-1-1 (JL)-US-NP	US6081590	09/017651		US	27-Jun-00	2-Feb-18	2-Feb-98	Call Treatment In Portable Number Networks
									Method Of Using The Repetition Of An Erasure Indicator BIT To Enhance A Power Control Command
Cui 4-2 (D)	Cui 4-2 (D)-DE-EPT	EP1977532	07762632.3	EP1977532	DE	12-Nov-14	26-Jan-27	26-Jan-07	During Handoff
									Method Of Using The Repetition Of An Erasure Indicator BIT To Enhance A Power Control Command
Cui 4-2 (D)	Cui 4-2 (D)-FR-EPT	EP1977532	07762632.3	EP1977532	FR	12-Nov-14	26-Jan-27	26-Jan-07	During Handoff

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	TITLE Method Of Using The Proposition Of An Engage
Cui 4-2 (D)	Cui 4-2 (D)-GB-EPT	EP1977532	07762632.3	EP1977532	GB	12-Nov-14	26-Jan-27	26-Jan-07	Method Of Using The Repetition Of An Erasure Indicator BIT To Enhance A Power Control Command During Handoff
									Using The Repetition Of An Erasure Indicator Bit To
Cui 4-2 (D)	Cui 4-2 (D)-KR-PCT	KR101329540	20087017649		KR	8-Nov-13	26-Jan-27	26-Jan-07	Enhance A Power Control Command During Handoff Using The Repetition Of An Erasure Indicator Bit To
Cuí 4-2 (D)	Cui 4-2 (D)-US-CNT	US8249642	12/828466	20100284371	US	21-Aug-12	13-Apr-26	1-Jul-10	Enhance A Power Control Command During Handoff Time Division Multiplexed Transmission Of OFDM
Cupo 15-8-2-4 (RL)	Cupo 15-8-2-4 (RL)-US-NP	US6347071	09/170057		US	12-Feb-02	13-Oct-18	13-Oct-98	Symbols In-Band-On-Channel (IBOC) System And Methods Of
Cupo 20-2 (RL)	Cupo 20-2 (RL)-US-NP	US6961393	09/352404		US	1-Nov-05	14-Jul-19	14-Jul-99	Operation Using Orthogonal Frequency Division Multiplexing (OFDM) With Timing And Frequency Offset Correction
Capo 20-2 (NE)	Cupo 20-2 (NE)-03-111		-				14-34/-15	14-341-35	Electronic Data Processing Apparatus And Method For Sound Synthesis Using Transfer Functions Of
Curtin 3 (SD)	Curtin 3 (SD)-US-NP	US6208969	09/122520		US	27-Mar-01	24-Jul-18	24-Jul-98	Sound Samples
Curtis 24-4-10 (KR)	Curtis 24-4-10 (KR)-US-NP	US6163391	09/113634		US	19-Dec-00	10-Jul-18	10-Jul-98	Method And Apparatus For Holographic Data Storag Process For Holography Using Reference Beam
Curtis 25-1-5-15 (KR)	Curtis 25-1-5-15 (KR)-US-NP	US6191875	09/363336		US	20-Feb-01	29-Jul-19	29-Jul-99	Having Correlated Phase Content Process For Holography Involving Skip-Sorted
Curtis 28-1-12 (KR)	Curtis 28-1-12 (KR)-DE-EPA	EP1162520	00311160.6	EP1162520	DE	12-Mar-03	14-Dec-20	14-Dec-00	Hologram Storage Process For Holography Involving Skip-Sorted
Curtís 28-1-12 (KR)	Curtis 28-1-12 (KR)-FR-EPA	EP1162520	00311160.6	EP1162520	FR	12-Mar-03	14-Dec-20	14-Dec-00	Hologram Storage Process For Holography Involving Skip-Sorted
Curtis 28-1-12 (KR)	Curtis 28-1-12 (KR)-GB-EPA	EP1162520	00311160.6	EP1162520	GB	12-Mar-03	14-Dec-20	14-Dec-00	Hologram Storage Process For Holography Involving Skip-Sorted
Curtis 28-1-12 (KR)	Curtis 28-1-12 (KR)-JP-NP	JP5105670	2001167199		JP	12-Oct-12	1-Jun-21	1-Jun-01	Hologram Storage Process For Holography Involving Skip-Sorted
Curtis 28-1-12 (KR)	Curtis 28-1-12 (KR)-US-NP	US6614566	09/588908		US	2-Sep-03	7-Jun-20	7-Jun-00	Hologram Storage
Curtis 29-13 (KR)	Curtis 29-13 (KR)-JP-NP	JP4159758	2001111421		JP	25-Jul-08	10-Apr-21	10-Apr-01	Process For Holography Involving Tilt Compensation
Curtis 29-13 (KR)	Curtis 29-13 (KR)-DE-EPA	EP1148478	00309804.3	EP1148478	DE	10-Jan-07	6-Nov-20	6-Nov-00	Process For Holography Involving Tilt Compensation
Curtis 29-13 (KR)	Curtis 29-13 (KR)-FR-EPA	EP1148478	00309804.3	EP1148478	FR	10-Jan-07	6-Nov-20	6-Nov-00	Process For Holography Involving Tilt Compensation
Curtis 29-13 (KR)	Curtis 29-13 (KR)-GB-EPA	EP1148478	00309804.3	EP1148478	GB	10-Jan-07	6-Nov-20	6-Nov-00	Process For Holography Involving Tilt Compensation
Curtis 29-13 (KR)	Curtis 29-13 (KR)-US-NP	US6388779	09/553512		US	14-May-02	20-Apr-20	20-Apr-00	Process For Holography Involving Tilt Compensation Automatic Power Shut-Down Arrangement For
Czarnocha 1-1-2-5 (W) Dagdeviren 15-1-26-2-15	Czarnocha 1-1-2-5 (W)-US-NP Dagdeviren 15-1-26-2-15 (NR)-	US6504630	09/205512		US	7-Jan-03	4-Dec-18	4-Dec-98	Optical Line Systems
(NR)	US-NP	US6356593	09/067895		US	12-Mar-02	28-Apr-18	28-Apr-98	Data Optimized Codec  Low Profile Printed Circuit Board RF Shield For
Dai 1 (X)	Dai 1 (X)-US-NP	US6235985	09/059066		US	22-May-01	13-Apr-18	13-Apr-98	Radiating Pin
Dai 1-1-4 (H)	Dai 1-1-4 (H)-US-NP	US7453629	11/321151	20070153365	US	18-Nov-08	29-Dec-25	29-Dec-05	Semiconductor Optical Amplifier Pulse Reshaper
Dai 1-1-4 (H)	Dai 2-2-5 (H)-US-DIV	US7692853	12/187542	20080310013	US	6-Apr-10	29-Dec-25	7-Aug-08	Semiconductor Optical Amplifier Pulse Reshaper Efficient Wireless Call Delivery Across Regional And
Dai 2-2 (W)	Dai 2-2 (W)-US-NP	US6625453	09/364904		US	23-Sep-03	30-Jul-19	30-Jul-99	Political Boundaries
Dajer 2-1-1-3 (M)	Dajer 2-1-1-3 (M)-US-NP	US6094585	08/970588		US	25-Jul-00	11-Nov-17	11-Nov-97	CDMA Forward Link Power Overload Control Code-Division, Multiple-Access Base Station Having
Dajer 6-2-27 (M)	Dajer 6-2-27 (M)-JP-NP	JP3902920	2001161991	2002026781	JP	12-Jan-07	30-May-21	30-May-01	Transmit Diversity Code-Division, Multiple-Access Base Station Having
Dajer 6-2-27 (M)	Dajer 6-2-27 (M)-US-NP	US6539209	09/580775		US	25-Mar-03	12-May-21	30-May-00	Transmit Diversity  Multi-Carrier/Multi-Sector Channel Pooling In A
Dajer 9-3-29 (M)	Dajer 9-3-29 (M)-DE-EPA	EP1094676	00308863.0	EP1094676	DE	28-May-08	9-Oct-20	9-Oct-00	Wireless Communication System Base Station
Dajer 9-3-29 (M)	Dajer 9-3-29 (M)-FR-EPA	EP1094676	00308863.0	EP1094676	FR	28-May-08	9-Oct-20	9-Oct-00	Multi-Carrier/Multi-Sector Channel Pooling In A Wireless Communication System Base Station
Dajer 9-3-29 (M)	Dajer 9-3-29 (M)-GB-EPA	EP1094676	00308863.0	EP1094676	GB	28-May-08	9-Oct-20	9-Oct-00	Multi-Carrier/Multi-Sector Channel Pooling In A Wireless Communication System Base Station
									Multi-Carrier/Multi-Sector Channel Pooling In A
Dajer 9-3-29 (M)	Dajer 9-3-29 (M)-JP-NP	JP4625171	2000317403		JP	12-Nov-10	18-Oct-20	18-Oct-00	Wireless Communication System Base Station
Dajer 9-3-29 (M)	Dajer 9-3-29 (M)-US-NP	US7161912	09/420275		US	9-Jan-07	18-Oct-19	18-Oct-99	Multi-Carrier/Multi-Sector Channel Pooling In A Wireless Communication System Base Station
Dalsing 1-1-1 (WK)	Dalsing 1-1-1 (WK)-US-NP	US6377675	09/365930		US	23-Apr-02	2-Aug-19	2-Aug-99	Method And Apparatus For Even Distribution Of signaling Link Selection Codes
Damask 1-40 (JN)	Damask 1-40 (JN)-US-NP	US6252711	09/532143		US	26-Jun-01	21-Mar-20	21-Mar-00	Polarization Diversity For Birefringent Filters
Damask 5-39 (JN)	Damask 5-39 (JN)-US-NP	US6393039 US6577445	09/532150 09/664579		US	21-May-02	21-Mar-20	21-Mar-00	Double-Pass Polarization Diversified Birefringent Filter  Composite Birefringent Crystal Unit And Filter
Damask 6 (JN)	Damask 6 (JN)-US-NP			20020186029	US	10-Jun-03	2-Jan-21	18-Sep-00	Circuit Board Test Fixture With Electrostatic Discharge (ESD) Protection
Dangelmayer 4-21-4 (GT) Daoud 138 (BH)	Dangelmayer 4-21-4 (GT)-US-NP Daoud 138 (BH)-US-NP	US6541988 US6148133	09/879476 09/146464	20020100029	US	1-Apr-03 14-Nov-00	12-Jun-21 3-Sep-18	12-Jun-01 3-Sep-98	Cable Bend Limiter Trough
Daoud 190 (BH)	Daoud 190 (BH)-US-NP	US6289160	09/391018		US	11-Sep-01	7-Sep-19	7-Sep-99	A Fiber-Optic Cable Routing And Storage Device
Daoud 227 (BH)	Daoud 227 (BH)-US-NP	US6311007	09/390204		US	30-Oct-01	7-Sep-19	7-Sep-99	A Fiber-Optic Cable Tray Having Adjustable  Components
Daoud 285-56-84 (BH)	Daoud 285-56-84 (BH)-US-NP	US6487357	09/871093	20020181921	US	26-Nov-02	31-May-21	31-May-01	Strain Relief Device With Bend Limiter And Slack Storage
Daoud 286-3-85-2 (BH)	Daoud 286-3-85-2 (BH)-US-NP	US6610411	09/965043	20030059626	US	26-Aug-03	27-Sep-21	27-Sep-01	Silicone Gel Tape For Coax Connector Connection
Daoud 289 (BH) Daoud 293-94 (BH)	Daoud 289 (BH)-US-NP  Daoud 293-94 (BH)-US-NP	US6512876 US6567601	09/841832 09/884511		US US	28-Jan-03 20-May-03	25-Apr-21 19-Jun-21	25-Apr-01 19-Jun-01	Fiber Splice Tray Fiber-Optic Cable Routing And Management System And Components
	Daoud 294-96-18 (BH)-US-NP	US6781851	10/158709	20030223213	US	24-Aug-04	30-May-22	30-May-02	Electromagnetic Interference Shield
Daoud 295-97 (BH)	Daoud 295-97 (BH)-US-NP	US6634794	10/158709		US	21-Oct-03	5-Jun-22	5-Jun-02	Optical Fiber Connector Assembly

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	Grant Number	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	11.17.6
				20040240825	US				Stackable Optical Fiber Splice Tray And Mounting
Daoud 305-107 (BH)	Daoud 305-107 (BH)-US-NP	US6915059 US7095624	10/448511		US	5-Jul-05	30-May-23	30-May-03	Shelves
Daoud 310-114-27 (BH)	Daoud 310-114-27 (BH)-US-NP		11/019515	20050173782		22-Aug-06 31-Oct-06	3-Jun-24	6-Feb-04	Electromagnetic Shield With Vee-Slot Panel Joints
Daoud 312-120-32 (BH)	Daoud 312-120-32 (BH)-US-NP	US7130176		20060139853	US		6-Jan-25	23-Dec-04	Protective Enclosures And Related Methods Systems And Methods For Forecasting Demand For A
Daoud 318-6 (BH)	Daoud 318-6 (BH)-US-NP	US7280882	11/376928		US	9-Oct-07	16-Mar-26	16-Mar-06	Subcomponent  Multiple Machine View Execution In A Computer
D'Arcy 3-2-2-2 (PG)	D'Arcy 3-2-2-2 (PG)-US-NP	US6079010	09/052671		US	20-Jun-00	31-Mar-18	31-Mar-98	System
Das 12-25-31 (S)	Das 12-25-31 (S)-US-NP	US7564822	11/133100	20060268786	US	21-Jul-09	1-Jul-26	19-May-05	Method Of Reverse Link Transmission In A Wireless Network Using Code And Frequency Multiplexing
Das 14-18 (A)	Das 14-18 (A)-US-NP	US7477876	10/002746	20030087605	US	13-Jan-09	8-Jul-25	2-Nov-01	Variable Rate Channel Quality Feedback In A Wireless Communication System
Das 1-4-18-58 (A)	Das 1-4-18-58 (A)-US-NP	US7873689	11/026499	20060149774	US	18-Jan-11	25-Dec-28	30-Dec-04	Distributed Set-Expression Cardinality Estimation
									Method For Management Of Voice-Over IP
Das 1-6-7 (KP)	Das 1-6-7 (KP)-US-NP	US7420962	10/674123	20050070230	US	2-Sep-08	30-Jan-26	26-Sep-03	Communications Of Various Relative Priority Levels
Das 21-26-22-9 (A)	Das 21-26-22-9 (A)-KR-NP	KR10979656	20030019509		KR	27-Aug-10	28-Mar-23	28-Mar-03	Shared Signaling For Multiple User Equipment
Das 21-26-22-9 (A)	Das 21-26-22-9 (A)-US-NP	US7508804	10/115966	20030189918	US	24-Mar-09	3-Oct-24	5-Apr-02	Shared Signaling For Multiple User Equipment Error Detection Methods In Wireless Communication
Das 22-27-23-10 (A)	Das 22-27-23-10 (A)-US-NP	US7162675 ZL200680045819	10/115967	20030192003	US	9-Jan-07	16-May-23	5-Apr-02	Systems Method Of Embedding Information In Internet
Das 2-4 (KP)	Das 2-4 (KP)-CN-PCT	.3	200680045819.3	101322384	CN	3-Apr-13	4-Dec-26	4-Dec-06	Transmissions  Method Of Embedding Information In Internet
Das 2-4 (KP)	Das 2-4 (KP)-DE-EPT	EP1958422	06844812.5	EP1958422	DE	25-Jun-14	4-Dec-26	4-Dec-06	Transmissions
Das 2-4 (KP)	Das 2-4 (KP)-FR-EPT	EP1958422	06844812.5	EP1958422	FR	25-Jun-14	4-Dec-26	4-Dec-06	Method Of Embedding Information In Internet Transmissions
Das 2-4 (KP)	Das 2-4 (KP)-GB-EPT	EP1958422	06844812.5	EP1958422	GB	25-Jun-14	4-Dec-26	4-Dec-06	Method Of Embedding Information In Internet Transmissions
Das 2-4 (KP)	Das 2-4 (KP)-KR-PCT	KR101351753	20087013480		KR	8-Jan-14	4-Dec-26	4-Dec-06	Method Of Embedding Information In Internet Transmissions
Das 2-4 (KP)	Das 2-4 (KP)-US-NP	US8214640	11/294731	20070130475	US	3-Jul-12	18-Jun-29	5-Dec-05	Method Of Embedding Information In Internet Transmissions
Das 2-4 (KP)	Das 2-4 (KP)-JP-PCT	JP5043034	2008544426	2009518958	JP	20-Jul-12	4-Dec-26	4-Dec-06	Method Of Embedding Information In Internet Transmissions
									System And Method For Enhancing Throughput In An
Das 3-7-4 (S)	Das 3-7-4 (S)-US-NP	US7342958	10/875755	20050286621	US	11-Mar-08	9-Jun-26	24-Jun-04	Additive Gaussian Noise Channel With A Predetermined Rate Set And Unknown Interference
			,						Incremental Addition And Scale-Back Of Resources
Das 5-7 (KP)	Das 5-7 (KP)-US-NP	US8570870	12/317881	20100034195	US	29-Oct-13	20-Apr-32	30-Dec-08	Adapting To Network Resource Availability
Dave 10-1-3-2-1-5 (BP)	Dave 10-1-3-2-1-5 (BP)-US-NP	US6516436	09/483056		US	4-Feb-03	13-Jan-20	13-Jan-00	Error Control Coding For Transmission Equipment Protection
Dave 12 (BP)	Dave 12 (BP)-US-NP	US6850704	09/614436		US	1-Feb-05	12-Jul-20	12-Jul-00	Low-Overhead Fault-Tolerance Techniques For Optical And Other Cross-Connect Systems
									Hardware-Software Co-Synthesis Of Hierarchical
Dave 3-3 (BP)	Dave 3-3 (BP)-US-NP	US6289488	09/025537		US	11-Sep-01	17-Feb-18	17-Feb-98	Heterogeneous Distributed Embedded Systems
Dave 9 (BP)	Dave 9 (BP)-US-NP	US6415384	09/393535		US	2-Jul-02	10-Sep-19	10-Sep-99	Hardware/Software Co-Synthesis Of Dynamically Reconfigurable Embedded Systems
Davies 1-1-1 (GJ)	Davies 1-1-1 (GJ)-US-NP	US6230210	09/140273		US	8-May-01	26-Aug-18	26-Aug-98	Method And Apparatus For Re-Synchronizing A Network Manager And Its NetworkAgents
Davila 4-11-2-1 (MA)	Davila 4-11-2-1 (MA)-US-NP	US6007605	09/020721		US	28-Dec-99	9-Feb-18	9-Feb-98	Integration Exclusion Filter And Pressurizing Means
Davis 1 (KC)	Davis 1 (KC)-US-NP	US7054372	09/737370	20020075962	US	30-May-06	21-Dec-22	15-Dec-00	Digital Transmission Line Tap Circuit
Davis 1-1-1-7-3-1-6 (WR)	Davis 1-1-1-7-3-1-6 (WR)-DE-EPA	EP0982953	99305357.8	EP0982953	DE	22-Aug-01	6-Jul-19	6-Jul-9 <del>9</del>	System For Expanding A Parameter Encoding Field In A Message To Allow Additional Parameters To be Added While Maintaining Compatibility With Existing Parameter Encodings
									System For Expanding A Parameter Encoding Field In A Message To Allow Additional Parameters To be
Davis 1-1-1-7-3-1-6 (WR)	Davis 1-1-1-7-3-1-6 (WR)-FR-EPA	EP0982953	99305357.8	EP0982953	FR	22-Aug-01	6-Jul-19	6-Jul-99	Added While Maintaining Compatibility With Existing Parameter Encodings
	, ,								System For Expanding A Parameter Encoding Field In
	Davis 1-1-1-7-3-1-6 (WR)-GB-								A Message To Allow Additional Parameters To be Added While Maintaining Compatibility With Existing
Davis 1-1-1-7-3-1-6 (WR)	EPA	EP0982953	99305357.8	EP0982953	GB	22-Aug-01	6-Jul-19	6-Jul-99	Parameter Encodings
									System For Expanding A Parameter Encoding Field In A Message To Allow Additional Parameters To be Added While Maintaining Compatibility With Existing
Davis 1-1-1-7-3-1-6 (WR) Davis 1-2 (DM)	Davis 1-1-1-7-3-1-6 (WR)-US-NP Davis 1-2 (DM)-US-NP	US6529505 US6062302	09/115149 08/940754		US US	4-Mar-03 16-May-00	14-Jul-18 30-Sep-17	14-Jul-98 30-Sep-97	Parameter Encodings Composite Heat Sink
Davis 2-1 (RJ)	Davis 2-1 (RJ)-US-NP	US6717911	09/464878		US	6-Apr-04	16-Dec-19	16-Dec-99	Telecommunications Switching Circuit Using Tri-State Buffers
Davis 2-1 (16)  De Cristofaro 1-2-12-7-25  (JL)	De Cristofaro 1-2-12-7-25 (JL)-US- NP	US7718724	11/717977	20080226921	US	18-May-10	7-Nov-27	14-Mar-07	Thermoplastic Composite Materials For Wear Surfaces And Methods For Making Same
De Cristofaro 4-14-9-27-1	De Cristofaro 4-14-9-27-1 (JL)-US- NP								Initial Strike-Face Layer For Armor, A Method Of
(JL)	INF	US8141471	11/864560	20090084256	US	27-Mar-12	12-Apr-30	28-Sep-07	Constructing An Armor Plate And Armor
De Lind 2-3 (AJV)	De Lind 2-3 (AJV)-US-NP	US6241778	09/335816		US	5-Jun-01	18-Jun-19	18-Jun-99	Method And Apparatus For Implementing Run- Length Limited And Maximum Transition Run Codes
De Lind 8-18-3 (AJ)	De Lind 9-22-6 (AJ)-DE-EPA	EP1507346	04254519.4	EP1507346	DE	21-Jun-06	28-Jul-24	28-Jul-04	System And Method For Multi-Channel Mitigation Of PMD/PDL/PDG
De Lind 8-18-3 (AJ)	De Lind 9-22-6 (AJ)-FR-EPA	EP1507346	04254519.4	EP1507346	FR	21-Jun-06	28-Jul-24	28-Jul-04	System And Method For Multi-Channel Mitigation Of PMD/PDL/PDG
De Lind 8-18-3 (AJ)	De Lind 9-22-6 (AJ)-GB-EPA	EP1507346	04254519.4	EP1507346	GB	21-Jun-06	28-Jul-24	28-Jul-04	System And Method For Multi-Channel Mitigation Of PMD/PDL/PDG
De Lind 8-18-3 (AJ)	De Lind 9-22-6 (AJ)-CN-NP	ZL10057405.5	200410057405.5	1581737	CN	28-Jul-10	12-Aug-24	12-Aug-04	System And Method For Multi-Channel Mitigation Of PMD/PDL/PDG
				,					

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	HILE
De Lind 8-18-3 (AJ)	De Lind 9-22-6 (AJ)-US-CIP	US7010180	10/639824	20050036727	US	7-Mar-06	31-Jul-23	13-Aug-03	System And Method For Multi-Channel Mitigation Of PMD/PDL/PDG
De Lind 8-18-3 (AJ)	De Lind 9-22-6 (AJ)-JP-NP	JP4777626	2004231830	2005065273	JP	8-Jul-11	9-Aug-24	9-Aug-04	System And Method For Multi-Channel Mitigation Of PMD/PDL/PDG
	De Lind Van Wijngaarden 15-19- 15-21-5- (AJ)-US-CIP	US7929487	11/435665	20060209752	US	19-Apr-11	13-Nov-27	17-May-06	Method And Apparatus For Cellular Communication Over Data Networks
	De Lind Van Wijngaarden 30-3 (AJ)-CN-PCT	ZL201080049570	201080049570.X	CN102771074A	CN	19-Aug-15	4-Nov-30	4-Nov-10	Method And Apparatus For Error Detection In A Communication System
	De Lind Van Wijngaarden 30-3 (AJ)-EP-EPT		10829067.7	EP2497217	EP	137/05 15	4-Nov-30	4-Nov-10	Method And Apparatus For Error Detection In A Communication System
	De Lind Van Wijngaarden 30-3 (AI)-JP-PCT	JP5717748	2012537981	2013510514	JP	27-Mar-15	4-Nov-30	4-Nov-10	Method And Apparatus For Error Detection In A Communication System
	De Lind Van Wijngaarden 30-3 (AJ)-KR-PCT	KR101354288	2012-7011532		KR	15-Jan-14	4-Nov-30	4-Nov-10	Method And Apparatus For Error Detection In A Communication System
De Lind Van Wijngaarden 30- 3 (AJ)	De Lind Van Wijngaarden 30-3 (AJ)-US-NP	US8892983	12/612674	20100153828	US	18-Nov-14	7-Jul-32	4-Nov-09	Method And Apparatus For Error Detection In A Communication System
De Lind Van Wijngaarden 30- 3 (AJ) [2]	De Lind Van Wijngaarden 30-3 (AI) [2]-US-DIV		14/508879	20150039977	US		4-Nov-29	7-Oct-14	Method And Apparatus For Error Detection In A Communication System
DeArdo 3-1-1-1 (CE)	DeArdo 3-1-1-1 (CE)-US-NP	US6351743	09/318908		US	26-Feb-02	26-May-19	26-May-99	Method And Apparatus For Operating Domain Name Servers
DeBusk 1 (DK)	DeBusk 1 (DK)-US-NP	US6127289	08/924268		US	3-Oct-00	5-Sep-17	5-Sep-97	Method For Treating Semiconductor Wafers With Corona Charge Devices Using Corona Charging
Degani 46-4 (Y)	Degani 58-5 (Y)-US-DIV	US6597069	09/661741		US	22-Jul-03	24-Apr-19	14-Sep-00	Flip Chip Metallization
Degani 59-39-73 (Y)	Degani 59-39-73 (Y)-US-NP	US6680212	09/879759	20020081755	US	20-Jan-04	12-Jun-21	12-Jun-01	Method Of Testing And Constructing Monolithic Multi-Chip Modules
Deichstetter 3 (EA)	Deichstetter 3 (EA)-US-NP	US6788783	09/624561		US	7-Sep-04	24-Jul-20	24-Jul-00	Digital Loop Carrier System With Enhanced Call Handling And Method
DeJager 3 (D)	DeJager 3 (D)-US-NP	US6839353	09/573759		US	4-Jan-05	18-May-20	18-May-00	Method And Apparatus For Packet Network Tunnel Management
Delavaux 31-2 (JP)	Delavaux 31-2 (JP)-US-NP	US6819481	09/873696	20020181043	US	16-Nov-04	4-Jun-21	4-Jun-01	Bidirectional Wave Division Multiplex Systems Expansion Bridge Apparatus And Method For An I2C
Delmonico 1 (JJ)	Delmonico 1 (JJ)-US-NP	US6874052	09/677061		US	29-Mar-05	29-Sep-20	29-Sep-00	Bus
DeMarco 8-9-8 (JJ)	DeMarco 8-9-8 (JJ)-US-NP	US6195200	09/025465		US	27-Feb-01	18-Feb-18	18-Feb-98	High Power Multiwavelength Light Source
Dempsey 10-2 (PAA)	Dempsey 10-2 (PAA)-US-NP	US6499136	09/437959		US	24-Dec-02	10-Nov-19	10-Nov-99	Single-Shot Entry Code
Dempsey 5-2-4 (PAA)	Dempsey 5-2-4 (PAA)-US-NP	US6195565	09/033985		US	27-Feb-01	3-Mar-18	3-Mar-98	Bandwidth Control In A Packet-Based Data System
Dempsey 7-1-5 (PAA)	Dempsey 7-1-5 (PAA)-US-NP	US6169726	09/213930		US	2-Jan-01	17-Dec-18	17-Dec-98	Method And Apparatus For Error Free Switching In A Redundant Duplex Communication Carrier System
Dempsey 9-2-1-3-1-1 (PAA)	Dempsey 9-2-1-3-1-1 (PAA)-US- NP	US6418540	09/384602		US	9-Jul-02	27-Aug-19	27-Aug-99	State Transfer With Throw-Away Thread Optical Multiplexer/Demultiplexer Arrangement For
Denkin 10-4-2 (NM)	Denkin 10-4-2 (NM)-US-NP	US6512864	09/590538		US	28-Jan-03	8-Jun-20	8-Jun-00	WDM Signals Having In-Band And Out-Of-Band Signa Components
Denkin 11-2-1-3-1 (NM)	Denkin 11-2-1-3-1 (NM)-DE-EPA	EP1130822	00307857.3	EP1130822	DE	19-Feb-03	11-Sep-20	11-Sep-00	Method And Apparatus For Stabilizing Transient Control In Amplified Optical Networks
Denkin 11-2-1-3-1 (NM)	Denkin 11-2-1-3-1 (NM)-FR-EPA	EP1130822	00307857.3	EP1130822	FR	19-Feb-03	11-Sep-20	11-Sep-00	Method And Apparatus For Stabilizing Transient Control In Amplified Optical Networks
Denkin 11-2-1-3-1 (NM)	Denkin 11-2-1-3-1 (NM)-JP-NP	JP4414603	200151336	2001274755	JP	27-Nov-09	27-Feb-21	27-Feb-01	Method And Apparatus For Stabilizing Transient Control In Amplified Optical Networks
Denkin 11-2-1-3-1 (NM)	Denkin 11-2-1-3-1 (NM)-US-NP	US6356386	09/515906		US	12-Mar-02	29-Feb-20	29-Feb-00	Method And Apparatus For Stabilizing Transient Control In Amplified Optical Networks Apparatus For Detecting Raman Gain In An Optical
Denkin 12-6-2 (NM)	Denkin 12-6-2 (NM)-US-NP	US6980740	09/599194		US	27-Dec-05	13-Jul-23	22-Jun-00	Transmission System Apparatus For Detecting Raman Gain In An Optical
Denkin 12-6-2 (NM)	Denkin 12-6-2 (NM)-DE-EPA	EP1168684	01305052.1	EP1168684	DE	17-Mar-10	11-Jun-21	11-Jun-01	Transmission System
Denkin 12-6-2 (NM)	Denkin 12-6-2 (NM)-FR-EPA	EP1168684	01305052.1	EP1168684	FR	17-Mar-10	11-Jun-21	11-Jun-01	Apparatus For Detecting Raman Gain In An Optical Transmission System
Denkin 12-6-2 (NM)	Denkin 12-6-2 (NM)-GB-EPA	EP1168684	01305052.1	EP1168684	GB	17-Mar-10	11-Jun-21	11-Jun-01	Apparatus For Detecting Raman Gain In An Optical Transmission System
Denkin 12-6-2 (NM)	Denkin 12-6-2 (NM)-JP-NP	JP4472896	2001188954	2002064432	JP	12-Mar-10	22-Jun-21	22-Jun-01	Apparatus For Detecting Raman Gain In An Optical Transmission System Optical Protection Switch Employing An Interference
Denkin 4-2-10 (NM)	Denkin 4-2-10 (NM)-US-NP	US6266168	08/994213		US	24-Jul-01	19-Dec-17	19-Dec-97	Filter
Denkin 8-1 (NM)	Denkin 8-1 (NM)-US-NP	US6205790	09/322936		US	27-Mar-01	28-May-19	28-May-99	Efficient Thermoelectric Controller
Denkin 9-3 (NM)	Denkin 9-3 (NM)-US-NP	US6181849	09/302373		US	30-Jan-01	30-Apr-19	30-Apr-99	An Interleaved Wavelengths Multi/Demultiplexer With Multiple-Input-Ports And Multiple-Output-Ports For Wavelength Add/Drop WDM Systems
Derakhshan 1-2-1 (F)	Derakhshan 1-2-1 (F)-US-NP	US7430420	11/021554	20060142032	US	30-Sep-08	26-Jun-25	23-Dec-04	Cell Selection And Inter-Frequency Handover
Derbenwick 1-1 (LF)	Derbenwick 1-1 (LF)-US-NP	US6262975	09/112417		US	17-Jul-01	9-Jul-18	9-Jul-98	A Method Of Auditing Cross-Connections Related To Concatenated Signsla In A Synchronous Optical Network
									Methods And Apparatus For Instability Detection In
Deshpande 1-11-3 (S)	Deshpande 1-11-3 (S)-US-NP	US8699357	11/564931	20080130645	US	15-Apr-14	12-May-30	30-Nov-06	Inter-Domain Routing Implementation Of Collaborative
Deutsch 12-7 (DA)	Deutsch 12-7 (DA)-US-NP	US7693523	11/005966	20080008304	US	6-Apr-10	3-Feb-29	7-Dec-04	Telecommunications Services System For Deferred Call Answering In A
Deutsch 3-11-3 (DA)	Deutsch 3-11-3 (DA)-US-NP	US6028922	08/922856		US	22-Feb-00	3-Sep-17	3-Sep-97	Telecommunications System Subrate Voice Switching Over Switching And
Deutsch 4-23 (DA)	Deutsch 4-23 (DA)-US-NP	US6243400	09/032055		US	5-Jun-01	27-Feb-18	27-Feb-98	Telecommunication Networks  Dynamic Assignment Of Subrate Voice Channels In
Deutsch 5-24 (DA)	Deutsch 5-24 (DA)-US-NP	US6052391	09/032056		US	18-Apr-00	27-Feb-18	27-Feb-98	Telecommunication Networks

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	HILE
Dhor 2 35 /13	Dhor 2 25 /LV ID AID	JP3504884	187136/1 <del>999</del>	2000086014	JP	10 Dec 02	1 Iul 10	1 10 00	Material Exhibiting Compensation For Polymerization Induced Shrinkage And Recording Medium Formed
	Dhar 2-25 (L)-JP-NP		·	2000086914		19-Dec-03	1-Jul-19	1-Jul-99	Therefrom Material Exhibiting Compensation For Polymerization Induced Shrinkage And Recording Medium Formed
Dhar 2-25 (L)	Dhar 2-25 (L)-US-NP	US6124076	09/108496		US	26-Sep-00	1-Jul-18	1-Jul-98	Therefrom  Material Exhibiting Compensation For Polymerization Induced Shrinkage And Recording Medium Formed
Dhar 2-25 (L)	Dhar 8-37 (L)-US-DIV	US6221536	09/573488		US	24-Apr-01	1-Jul-18	16-May-00	Therefrom Method And Apparatus For Bidirectional
DiGiovanni 36-10-5 (DJ)	DiGiovanni 36-10-5 (DJ)-US-NP	US6381045	09/103925		US	30-Apr-02	24-Jun-18	24-Jun-98	Communication Over A Single Optical Fiber
DiGiovanni 50-1 (DJ)	DiGiovanni 50-1 (DJ)-US-NP	US6397636	09/315631		US	4-Jun-02	20-May-19	20-May-99	Method of applying a precursor to an assembled fiber bundle and fusing the fundle together Method And Apparatus for Efficient Reactive
Dilman 1-6 (M)	Dilman 1-6 (M)-DE-EPA	EP1244248	01308397.7	EP1244248	DE	26-Jan-05	2-Oct-21	2-Oct-01	Monitoring Method And Apparatus for Efficient Reactive
Dilman 1-6 (M)	Dilman 1-6 (M)-DE-EPD[2]	EP1505768	04026967.2	EP1505768	DE	26-Nov-08	2-Oct-21	2-Oct-01	Monitoring
Dilman 1-6 (M)	Dilman 1-6 (M)-FR-EPA	EP1244248	01308397.7	EP1244248	FR	26-Jan-05	2-Oct-21	2-Oct-01	Method And Apparatus for Efficient Reactive Monitoring
Dilman 1-6 (M)	Dilman 1-6 (M)-FR-EPD[2]	EP1505768	04026967.2	EP1505768	FR	26-Nov-08	2-Oct-21	2-Oct-01	Method And Apparatus for Efficient Reactive Monitoring
Dilman 1-6 (M)	Dilman 1-6 (M)-GB-EPA	EP1244248	01308397.7	EP1244248	GB	26-Jan-05	2-Oct-21	2-Oct-01	Method And Apparatus for Efficient Reactive Monitoring
Dilman 1-6 (M)	Dilman 1-6 (M)-GB-EPD[2]	EP1505768	04026967.2	EP1505768	GB	26-Nov-08	2-Oct-21	2-Oct-01	Method And Apparatus for Efficient Reactive Monitoring
Dîlman 1-6 (M)	Dilman 1-6 (M)-US-NP	US8402129	09/813415	20020138599	US	19-Mar-13	27-Dec-27	21-Mar-01	Method And Apparatus for Efficient Reactive Monitoring
Dinu 4-4-12-2-22-15 (M)	Dinu 4-4-12-2-22-15 (M)-US-NP	US6795617	10/426900		US	21-Sep-04	30-Apr-23	30-Apr-03	Optical Device For Generating Pulsed Light
	Dispenza 5 (JA)-US-NP	US6079920	09/247678		US	27-Jun-00	9-Feb-19	9-Feb-99	Captive Fastener Conductive Fire-Retardant Thermoplastic Elastomer
Dispenza 6 (JA)	Dispenza 6 (JA)-DE-EPA	EP1094473	00308866.3	EP1094473	DE	9-Feb-05	9-Oct-20	9-Oct-00	Mixture Conductive Fire-Retardant Thermoplastic Elastomer
Dispenza 6 (JA)	Dispenza 6 (JA)-FR-EPA	EP1094473	00308866.3	EP1094473	FR	9-Feb-05	9-Oct-20	9-Oct-00	Mixture
Dispenza 6 (JA)	Dispenza 6 (JA)-GB-EPA	EP1094473	00308866.3	EP1094473	GB	9-Feb-05	9-Oct-20	9-Oct-00	Conductive Fire-Retardant Thermoplastic Elastomer Mixture
Dispenza 6 (JA)	Dispenza 6 (JA)-US-NP	US6268408	09/425397		US	31-Jul-01	22-Oct-19	22-Oct-99	Conductive Fire-Retardant Thermoplastic Elastomer Mixture
Dittrich 4-4-23 (A)	Dittrich 4-4-23 (A)-US-NP	US7161980	10/223151	20040032905	US	9-Jan-07	7-Sep-24	19-Aug-02	Receiver For High Rate Digital Communication System
Djuknic 1-1-1 (GM)	Djuknic 1-1-1 (GM)-KR-NP	KR371825	9758908		KR	28-Jan-03	8-Nov-17	8-Nov-97	Cellular-Clustering Arrangements And Corresponding Antenna Patterns For Wireless Communication Networks Employing High-Altitude Aeronautical Antenna Platforms
Djuknic 1-1-1 (GM)	Djuknic 1-1-1 (GM)-JP-NP	JP3086864	09303192	2000970227	15	14-Jul-00	5-Nov-17	5-Nov-97	Cellular-Clustering Arrangements And Corresponding Antenna Patterns For Wireless Communication Networks Employing High-Altitude Aeronautical Antenna Platforms
Djuknic 2-1 (GM)	Djuknic 2-1 (GM)-US-NP	US6964374	09/166144		US	15-Nov-05	2-Oct-18	2-Oct-98	Retrieval And Manipulation Of Electronically Stored Information Via Pointers Embedded In The Associated Printed Material
Dobner 1-9-17 (FJ)	Dobner 1-9-17 (FJ)-US-NP	US7245709	10/614930	20050008136	US	17-Jul-07	2-Mar-25	8-Jul-03	Portability Of Subscriber Features In A Telecommunication System
Dobrowolski 1-1 (GJ)	Dobrowolski 1-1 (GJ)-US-NP	US6493323	09/312747		US	10-Dec-02	14-May-19	14-Mav-99	Asynchronous Object Oriented Configuration Contro System For Highly Reliable Distributed Systems
	Doerr 100 (CR)-US-NP Doerr 100 (CR)-EP-EPT	US7106923	11/096022 06748488.1	20060222295 EP1869516	US EP	12-Sep-06	1-Apr-25 21-Mar-26	31-Mar-05 21-Mar-06	Dispersion Compensator Dispersion Compensator
Doerr 100 (CR)	Doerr 103-21 (CR)-US-NP	US7283709	11/244778	EP1809316	US	16-Oct-07	10-Nov-25	6-Oct-05	Integrated Microelectromechanical Wavelength Selective Switch And Method Of Making Same
Doerr 106 (CR)	Doerr 106 (CR)-DE-EPT	EP1958301	06844958.6	EP1958301	DE	16-Sep-09	7-Dec-26	7-Dec-06	Wide-Bandwidth Mode-Locked Laser
Doerr 106 (CR) Doerr 106 (CR)	Doerr 106 (CR)-FR-EPT Doerr 106 (CR)-GB-EPT	EP1958301 EP1958301	06844958.6 06844958.6	EP1958301 EP1958301	FR GB	16-Sep-09 16-Sep-09	7-Dec-26 7-Dec-26	7-Dec-06 7-Dec-06	Wide-Bandwidth Mode-Locked Laser Wide-Bandwidth Mode-Locked Laser
Doerr 106 (CR)	Doerr 106 (CR)-US-NP	US7733923	11/296996	20070133632	US	8-Jun-10	12-Jun-26	8-Dec-05	Wide-Bandwidth Mode-Locked Laser
	Doerr 110-24 (CR)-US-NP Doerr 123 (CR)-US-NP	US7123402 US7403670	11/333105 11/651824		US US	17-Oct-06 22-Jul-08	17-Jan-26 10-Jan-27	17-Jan-06 10-Jan-07	Cloning Optical-Frequency Comb Sources Compact Optical Modulator
` ,									Temperature Compensated Multi-Channel, Wavelength-Division-Multiplexed Passive Optical
	Doerr 13-14-1-4-25 (CR)-US-NP Doerr 132 (CR)-US-NP	US6304350 US7620275	09/070608 12/035636	20090214150	US	16-Oct-01 17-Nov-09	30-Apr-18 27-Apr-28	30-Apr-98 22-Feb-08	Network Integrated Polarization Splitter/Combiner
Doerr 133-9 (CR)	Doerr 133-9 (CR)-US-NP	US7919349	12/391039	20100216275	US	5-Apr-11	18-Jun-29	23-Feb-09	Photonic Integration Scheme
	Doerr 134 (CR)-US-DIV Doerr 134 (CR)-US-NP	US7689092 US7609934	12/509626 12/055115	20090285519 20090245719	US	30-Mar-10 27-Oct-09	25-Mar-28 25-Mar-28	27-Jul-09 25-Mar-08	Integrated Tunable Optical Equalizer Integrated Tunable Optical Equalizer Wavelength-Division-Multiplexing Cross-Connect
Doerr 14 (CR) Doerr 19 (CR)	Doerr 14 (CR)-US-NP Doerr 19 (CR)-US-NP	US6049640 US6172781	08/923304 09/040748		US US	11-Apr-00 9-Jan-01	4-Sep-17 18-Mar-18	4-Sep-97 18-Mar-98	Using Angular Dispersive Elements And Phase Shifters Wave Division Multiplexed Optical Network
Doerr 25 (CR)	Doerr 25 (CR)-DE-EPA	EP1020740	00300041.1	EP1020740	DE	2-Nov-06	6-Jan-20	6-Jan-00	Optical Device Having Equal Length Waveguide Path
Doerr 25 (CR)	Doerr 25 (CR)-DE-EPA  Doerr 25 (CR)-FR-EPA	EP1020740 EP1020740	00300041.1	EP1020740	FR	2-Nov-06 2-Nov-06	6-Jan-20 6-Jan-20	6-Jan-00	Optical Device Having Equal Length Waveguide Path Optical Device Having Equal Length Waveguide Path
Doerr 25 (CR)	Doerr 25 (CR)-GB-EPA	EP1020740	00300041.1	EP1020740	GB	2-Nov-06	6-Jan-20	6-Jan-00	Optical Device Having Equal Length Waveguide Path
Doerr 25 (CR)	Doerr 25 (CR)-IT-EPA	EP1020740	00300041.1	EP1020740	IT	2-Nov-06	6-Jan-20	6-Jan-00	Optical Device Having Equal Length Waveguide Path
Doerr 25 (CR)	Doerr 25 (CR)-US-NP	US6219471	09/232109		US	17-Apr-01	15-Jan-19	15-Jan-99	Optical Device Having Equal Length Waveguide Path:
Doerr 26 (CR)	Doerr 26 (CR)-US-NP	US6445847	09/428907		US	3-Sep-02	28-Oct-19	28-Oct-99	Apparatus And Method For Achieving A Smooth Spectral Response Optical Filter
Doerr 34-4-16-32 (CR)	Doerr 34-4-16-32 (CR)-US-NP	US6532090	09/467429		US	11-Mar-03	28-Feb-20	28-Feb-00	Wavelength Selective Cross-Connect With Reduced Complexity
	Doerr 36-62 (CR)-US-NP  Doerr 41 (CR)-US-NP	US6385373 US6304380	09/490610 09/520828		US US	7-May-02 16-Oct-01	25-Jan-20 6-Mar-20	25-Jan-00 6-Mar-00	Compensated Cascaded Waveguides Reducing Polarization Dependency Of Optical Apparatus
	Doerr 43-2 (CR)-US-NP	US6393173	09/535785		US	21-May-02	28-Mar-20	28-Mar-00	2 X 2 Integrated Optical Cross-Connect.  Beam Propagation Method For Step-Index
Doerr 48 (CR)	Doerr 48 (CR)-US-NP	US6708127	09/809123	20020165682	US	16-Mar-04	15-Mar-21	15-Mar-01	Waveguides

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	Application Number	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	TITLE
Doerr 60-71 (CR)	Doerr 60-71 (CR)-US-NP	US6859574	10/115828		US	22-Feb-05	3-Apr-22	3-Apr-02	NxN Switching Arrangement Of Two Planar Arrays Without Waveguide Crossings
Doerr 75 (CR)	Doerr 102 (CR)-US-DIV	US7043123	11/217625	20060008209	US	9-May-06	9-Sep-23	1-Sep-05	Integrateable Band Filter Using Waveguide Grating Routers
Doerr 75 (CR)	Doerr 75 (CR)-US-NP	US7010197	10/657846	20050053323	US	7-Mar-06	12-Feb-24	9-Sep-03	Integrateable Band Filter Using Waveguide Grating Routers
Doerr 75 (CR)	Doerr 83 (CR)-US-CIP	US7003198	10/783306	20050053332	US	21-Feb-06	30-Dec-23	20-Feb-04	Integrateable Band Filter Using Waveguide Grating Routers
Doerr 77-21 (CR)	Doerr 88-22 (CR)-US-CIP	US7215852	10/704389	20050036739	US	8-May-07	14-Oct-24	7-Nov-03	Method and Apparatus For Mode Conversion Optical System For Characterizing A Colloidal
Dogariu 4-2 (A)	Dogariu 4-2 (A)-US-NP	US6525823	09/691300		US	25-Feb-03	18-Oct-20	18-Oct-00	Suspension Using Interferometry Interferometer With Optical Fiber Interconnected
Dogariu 5-3 (A)	Dogariu 5-3 (A)-US-NP	US6590664	09/691299		US	8-Jul-03	18-Oct-20	18-Oct-00	Dual Arm Sampler
Dolan 10 (MF)	Dolan 10 (MF)-DE-EPA	EP1071305	00305865.8	EP1071305	DE	7-Nov-07	11-Jul-20	11-Jul-00	Method And Apparatus For Permitting Direct Handoff Between Base Stations In A Wireless Network
Dolan 10 (MF)	Dolan 10 (MF)-FR-EPA	EP1071305	00305865.8	EP1071305	FR	7-Nov-07	11-Jul-20	11-Jul-00	Method And Apparatus For Permitting Direct Handoff Between Base Stations In A Wireless Network
Dolan 10 (MF)	Dolan 10 (MF)-GB-EPA	EP1071305	00305865.8	EP1071305	GB	7-Nov-07	11-Jul-20	11-Jul-00	Method And Apparatus For Permitting Direct Handoff Between Base Stations In A Wireless Network
Dolan 10 (MF)	Dolan 10 (MF)-JP-NP	JP3707667	2000218826	2001078246	JP	12-Aug-05	19-Jul-20	19-Jul-00	Method And Apparatus For Permitting Direct Handoff Between Base Stations In A Wireless Network
Dolan 10 (MF)	Dolan 10 (MF)-KR-NP	KR610034	20000041247	20010021099	KR	1-Aug-06	19-Jul-20	19-Jul-00	Method And Apparatus For Permitting Direct Handof Between Base Stations In A Wireless Network
Dolan 10 (MF)	Dolan 10 (MF)-US-NP	US6628632	09/356510		US	30-Sep-03	19-Jul-19	19-Jul-99	Method And Apparatus For Permitting Direct Handof Between Base Stations In A Wireless Network
Dolan 13-14-3-6-14 (MF)	Dolan 13-14-3-6-14 (MF)-US-NP	US7299047	10/642599	20050043048	US	20-Nov-07	27-Feb-24	19-Aug-03	Wireless Communication System Enhanced Call Recovery
Dolan 6 (MF)	Dolan 6 (MF)-US-NP	US6977921	09/136678		US	20-Dec-05	19-Aug-18	19-Aug-98	Using Discrete Message-Oriented Services To Deliver Short Audio Communications
Dolan 7-7-21-9 (MF)	Dolan 7-7-21-9 (MF)-US-NP	US6377572	09/080769		US	23-Apr-02	18-May-18	18-May-98	Virtual Resource Allocation Method And Apparatus For Wireless Data Communications Systems
Dombkowski 1-5 (KE)	Dombkowski 1-5 (KE)-US-NP	US6298065	08/921175		us	2-Oct-01	29-Aug-17	29-Aug-97	Method For Multi-Mode Operation Of A Subscriber Line Card In A Telecommunications System
Dombkowski 4-2-11 (KE)	Dombkowski 4-2-11 (KE)-US-NP	US6647024	09/306751		US	11-Nov-03	7-May-19	7-May-99	System And Method For An All Digital Communication System With A Life Line
Dombrowski 1-1 (MC)	Dombrowski 1-1 (MC)-US-NP	US5942974	09/069333		US	24-Aug-99	29-Apr-18	29-Apr-98	Door Gasket Resistance Based Intrusion Alarm System
Bolliolowski 1-1 (WC)	DOMINIOWSKI 1-1 (Micy-05-M	033342314	03/00333		0.5	24-Aug-33	25-Apr-10	23-Apr-30	
Dominique 13-10 (F)	Dominique 13-10 (F)-US-NP	US7395492	10/939718	20060059402	US	1-Jul-08	5-Aug-25	13-Sep-04	Method And Apparatus For Detecting A Packet Error In A Wireless Communications System With Minimum Overhead Using Tail Bits In Turbo Code
Dominique 43-37-22 (F)	Dominique 43-37-22 (F)-US-NP	US7929510	11/711618	20080205329	US	19-Apr-11	29-Mar-29	28-Feb-07	Method Of Scaling Soft Symbols Of An Uplink Enhanced Dedicated Transport Channel (E-DCH) And Method For Enabling Use Of A Log-Wap Turbo Decoding Algorithm For Processing the E-DCH Method And Apparatus For Detecting A Three-State
Dominique 6-12-2 (F)	Dominique 6-12-2 (F)-DE-EPA	EP1560357	05250277.0	EP1560357	DE	21-Jun-06	20-Jan-25	20-Jan-05	Signal In A Base Station In A Wireless Communications System
Dominique 6-12-2 (F)	Dominique 6-12-2 (F)-FR-EPA	EP1560357	05250277.0	EP1560357	FR	21-Jun-06	20-Jan-25	20-Jan-05	Method And Apparatus For Detecting A Three-State Signal In A Base Station In A Wireless Communications System
Dominique 6-12-2 (F)	Dominique 6-12-2 (F)-GB-EPA	EP1560357	05250277.0	EP1560357	GB	21-Jun-06	20-Jan-25	20-Jan-05	Method And Apparatus For Detecting A Three-State Signal In A Base Station In A Wireless Communications System
Dominique 6-12-2 (F)	Dominique 6-12-2 (F)-US-NP	US7356749	10/770028	20050169405	US	8-Apr-08	15-Dec-25	2-Feb-04	Method And Apparatus For Detecting A Three-State Signal In A Base Station In A Wireless Communications System
			10/835810						Method And Apparatus For Detecting An Uplink Packet Data Channel In A CDMA Wireless
Dominique 9-6-1 (F)	Dominique 9-6-1 (F)-US-NP	US7792134	•	20050243855	US	7-Sep-10	27-Sep-26	30-Apr-04	Communications System Improved Feedforward Multicarrier Linear RF Power
	Donaldson 1-3-48-2-9 (JL)-US-NP		08/993682		US	2-May-00	18-Dec-17	18-Dec-97	Amplifier
Dong 1-4-3-1-3 (G)	Dong 1-4-3-1-3 (G)-US-NP	US6424948	09/253190		US	23-Jul-02	19-Feb-19	19-Feb-99	Declarative Workflow System Supporting Side-Effects Data Item Evaluation Based On The Combination Of
Dong 2-7-5-3-2-2-5 (G)	Dong 2-7-5-3-2-2-5 (G)-US-NP	US6499023	09/253274		US	24-Dec-02	19-Feb-19	19-Feb-99	Multiple Factors Failure Simulation Based On System Level Boundary
Doris 1-2 (H)	Doris 1-2 (H)-US-NP	US7707470	11/553159	20080104465	US	27-Apr-10	15-Nov-27	26-Oct-06	Scan Architecture
Dorrer 13 (CI)	Dorrer 13 (CJ)-US-NP	US7555221	11/020930	20060140638	US	30-Jun-09	9-Jun-26	23-Dec-04	Method And Apparatus For Polarization-Independent RF Spectrum Analysis Of An Optical Source
									Optical Pulse Shaper Having Hybrid Planar Lightwave Circuit And Free-Space Optics With MEMS Piston-
Dorrer 21-23 (CJ)	Dorrer 21-23 (CJ)-US-NP	US7289697	11/236291		US	30-Oct-07	27-Sep-25	27-Sep-05	Motion Micromirrors And Feedback Control
Doshi 27-28-10-2 (BT)	Doshi 27-28-10-2 (BT)-US-NP	US6151304	08/959809		US	21-Nov-00	29-Oct-17	29-Oct-97	Distributed Precomputation Of Network Signal Paths With Improved Performance Through Parellelization Multi-Phase Process For Distributed Precomputtation
Doshi 28-29-11-3 (BT)	Doshi 28-29-11-3 (BT)-US-NP	US6215763	08/960463		US	10-Apr-01	29-Oct-17	29-Oct-97	Of Network Signal Paths
Doshi 29-30-12-4 (BT)	Doshi 29-30-12-4 (BT)-US-NP	US6021113	08/960569		US	1-Feb-00	29-Oct-17	29-Oct-97	Distributed Precomputation Of Network Signal Paths With Table-Based Link Capacity Control
Doshi 29-30-12-4 (BT)	Doshi 43-46-21-9 (BT)-US-CNT	US6205117	09/448266		US	20-Mar-01	29-Oct-17	24-Nov-99	Distributed Precomputation Of Network Signal Paths With Table-Based Link Capacity Control
Doshi 30-31-13-5 (BT)	Doshi 30-31-13-5 (BT)-US-NP	US6130875	08/959800		US	10-Oct-00	29-Oct-17	29-Oct-97	Hybrid Centralized/Distributed Precomputation Of Network Signal Paths
Doshi 36-7-20-15-10 (BT)	Doshi 36-7-20-15-10 (BT)-DE- EPA	EP0999674	99307282.6	EP0999674	DE	28-Apr-04	14-Sep-19	14-Sep-99	Method For Providing Quality Of Service For Delay Sensitive Traffic Over IP Networks
	Doshi 36-7-20-15-10 (BT)-FR- EPA	EP0999674	99307282.6	EP0999674	FR	28-Apr-04	14-Sep-19	14-Sep-99	Method For Providing Quality Of Service For Delay Sensitive Traffic Over IP Networks
50311 30-7-20*13*10 (BT)	LI PI	2. 0555074	55307202.0	12.000007#	ı ın	20-Ap1-04	1 14-2ch-12	14-2ch-22	Service Harrie Over II Networks

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	CASE	GRANT	ARREICATEON	PUBLICATION		rssue	EXPURATION	APPLICATION	
FAMILY	REFERENCE Doshi 36-7-20-15-10 (BT)-GB-	NUMBER	NUMBER	NUMBER	COUNTRY	DATE	DATE	DATE	TEFEE Method For Providing Quality Of Service For Delay
Doshi 36-7-20-15-10 (BT)	EPA	EP0999674	99307282.6	EP0999674	GB	28-Apr-04	14-Sep-19	14-Sep-99	Sensitive Traffic Over IP Networks  Method For Providing Quality Of Service For Delay
Doshi 36-7-20-15-10 (BT)	Doshi 36-7-20-15-10 (BT)-JP-NP	JP3492950	268018/1999	2000196664	JP	14-Nov-03	22-Sep-19	22-Sep-99	Sensitive Traffic Over IP Networks  Method For Providing Quality Of Service For Delay
Doshi 36-7-20-15-10 (BT)	Doshi 36-7-20-15-10 (BT)-US-NP	US6529499	09/158694		US	4-Mar-03	22-Sep-18	22-Sep-98	Sensitive Traffic Over IP Networks
Doshi 48-11 (BT)	Doshi 48-11 (BT)-US-NP	US7096275	09/588490		US	22-Aug-06	4-Aug-23	6-Jun-00	Methods And Apparatus For Protection Against Network Failures
Doshi 52-2-17-18-1-1 (BT)	Doshi 52-2-17-18-1-1 (BT)-US- NP	US7620273	10/073931	20020131153	US	17-Nov-09	11-Jun-23	14-Feb-02	Methods and Devices for Providing Optical, Service- Enabled Cross-Connections
Doshi 53-18 (BT)	Doshi 53-18 (BT)-US-NP	US7406074	10/193932	20040008619	US	29-Jul-08	16-Feb-26	12-Jul-02	Bundling Messages In Communication Networks
Doshi 58-10-27-19-36 (BT)	Doshi 58-10-27-19-36 (BT)-US- NP	US8867333	10/673055	20040205237	US	21-Oct-14	19-Sep-29	26-Sep-03	Restoration Path Calculation Considering Shared-Risk Link Groups In Mesh Networks
Doubrava 1-9 (M)	Doubrava 1-9 (M)-DE-EPA	EP1182786	00307166.9		DE	8-Nov-06	21-Aug-20	21-Aug-00	Transmission And Reception Device For Mobile Radio
Doubrava 1-9 (M)	Doubrava 1-9 (M)-US-NP	US6928269	09/918947	20020022457	US	9-Aug-05	10-Jan-24	31-Jul-01	Transmission And Reception Device For Mobile Radio
Doumi 1-3-4 (T)	Doumi 1-3-4 (T)-US-CNT	US9408065	14/551372	20150148026	US	2-Aug-16	18-Dec-26	24-Nov-14	Controlling Wireless Communications On Behalf Of Public Service Agencies
Downey 8-10-10 (SW)	Rietman 16 (EA)-US-CIP	US6420194	09/616120		US	16-Jul-02	12-Oct-19	14-Jul-00	Method For Extracting Process Determinant Conditions From A Plurality Of Process Signals
	, ,								
Dragone 50 (C)	Dragone 50 (C)-US-NP	US6023544	08/998354		US	8-Feb-00	24-Dec-17	24-Dec-97	Monitoring With An Optical Wavelength Router  Broadband Optical Switching Arrangments With Very
Dragone 68 (CP)	Dragone 68 (CP)-US-NP	US6823096	09/755243		US	23-Nov-04	5-Jan-21	5-Jan-01	Low Crosstalk  Method And Apparatus For Generating Cyclical
Dravida 32-2 (S) Duelk 1-3 (M)	Dravida 32-2 (S)-US-NP Duelk 1-3 (M)-US-NP	US6195780 US6829401	08/987927 10/135216	20030202733	US US	27-Feb-01 7-Dec-04	10-Dec-17 30-Apr-22	10-Dec-97 30-Apr-02	Redundancy Code Parallelization of Optical Switch Fabrics
Duelk 7-2 (M)	Duelk 7-2 (M)-US-NP	US7822915	11/772135	20090002864	US	26-Oct-10	18-Aug-28	30-Jun-07	Memory Controller For Packet Applications
Dunn 15-4 (JP)	Dunn 15-4 (JP)-US-NP	US6324280	09/072809		US	27-Nov-01	5-May-18	5-May-98	Optimum Routing Of Calls Over The Public Switched Telephone Network And TheInternet
Dunn 30-13-3 (JP)	Dunn 30-13-3 (JP)-US-NP	US6611831	09/633668		US	26-Aug-03	7-Aug-20	7-Aug-00	Method For Worldwide Administration Of Advanced Number Portability Numbers
, ,		US7551731	10/930285	20060045243					Flexible Caller ID And Calling Name Information
Durga 2-11 (V)	Durga 2-11 (V)-US-NP		,	20060045243	US	23-Jun-09	18-Apr-27	31-Aug-04	Presentation
Durston 1-3-1 (AC)	Durston 1-3-1 (AC)-US-NP	US6154373	09/275332		US	28-Nov-00	24-Mar-19	24-Mar-99	High Density Cross-Connection System
Duttweiler 25 (DL)	Duttweiler 25 (DL)-US-NP	US5951626	08/953120		US	14-Sep-99	17-Oct-17	17-Oct-97	Adaptive Filter Echo Cancellation In The Network For Data
Duttweiler 27-12 (DL)	Duttweiler 27-12 (DL)-US-NP	US6628780	08/961901	20020057790	US	30-Sep-03	31-Oct-17	31-Oct-97	Applications Predictive Bursty Real-Time Traffic Control For
Duty 1-1 (DA)	Duty 1-1 (DA)-DE-EPA	EP0991253	99307464.0	EP0991253	DE	2-Apr-03	21-Sep-19	21-Sep-99	Telecommunications Switching Systems Predictive Bursty Real-Time Traffic Control For
Duty 1-1 (DA)	Duty 1-1 (DA)-FR-EPA	EP0991253	99307464.0	EP0991253	FR	2-Apr-03	21-Sep-19	21-Sep-99	Telecommunications Switching Systems Predictive Bursty Real-Time Traffic Control For
Duty 1-1 (DA)	Duty 1-1 (DA)-GB-EPA	EP0991253	99307464.0	EP0991253	GB	2-Apr-03	21-Sep-19	21-Sep-99	Telecommunications Switching Systems
Duty 1-1 (DA)	Duty 1-1 (DA)-US-NP	US6252950	09/163614		US	26-Jun-01	30-Sep-18	30-Sep-98	Predictive Bursty Real-Time Traffic Control For Telecommunications Switching Systems
Dwyer 2-2-15 (H)	Dwyer 2-2-15 (H)-US-NP	US6286027	09/201034		US	4-Sep-01	30-Nov-18	30-Nov-98	Two Step Thread Creation With Register Renaming
Dziong 12-21-38 (ZM)	Dziong 12-21-38 (ZM)-US-NP	US7500013	10/817760	20050220026	US	3-Mar-09	13-Jul-26	2-Apr-04	Calculation Of Link-Detour Paths In Mesh Networks
Earnshaw 3 (MP)	Earnshaw 3 (MP)-US-NP	US7565038	11/700534		US	21-Jul-09	31-Jan-27	31-Jan-07	Thermo-Optic Waveguide Apparatus
									A Method And Apparatus For Determining An Address Uniquely Identifying A Hardware Component
Eby 1-22-3-5 (PM)	Eby 1-22-3-5 (PM)-US-NP	US6442640	09/198289		US	27-Aug-02	23-Nov-18	23-Nov-98	On A Common Bus Method For Dynamically Reconfiguring Data Bus
Eby 2-6 (PM)	Eby 2-6 (PM)-US-NP	US6493777	09/396938		US	10-Dec-02	15-Sep-19	15-Sep-99	Control
									System For Interconnecting Circuit-Based Terminal Devices With Packet-Based Terminal Devices In A
Echols 2 (TE)	Echols 2 (TE)-US-NP	US7065069	09/659363		US	20-Jun-06	25-Jun-23	12-Sep-00	Voice Communication Connection
Eckl 15-25-9 (WF)	Eckl 15-25-9 (WF)-DE-EPA	EP1675263	04258102.5	EP1675263	DE	7-Oct-09	23-Dec-24	23-Dec-04	Controlling Q-Factor Of Filters
Eckl 15-25-9 (WF)	Eckl 15-25-9 (WF)-FR-EPA	EP1675263	04258102.5	EP1675263	FR	7-Oct-09	23-Dec-24	23-Dec-04	Controlling Q-Factor Of Filters
Eckl 15-25-9 (WF)	Eckl 15-25-9 (WF)-GB-EPA	EP1675263	04258102.5	EP1675263	GB	7-Oct-09	23-Dec-24	23-Dec-04	Controlling Q-Factor Of Filters
Eckl 15-25-9 (WF)	Eckl 15-25-9 (WF)-US-NP	US7433668	11/021481	20060141957	US	7-Oct-08	29-Nov-26	23-Dec-04	Controlling Q-Factor Of Filters
									Distorting a Two-Dimensional Image To Represent A
Edmark 2 (JT)	Edmark 2 (JT)-US-NP	US6229548	09/107059		US	8-May-01	30-Jun-18	30-Jun-98	Realistic Three-Dimensional Virtual Reality Display Techniques For Three-Dimensional Virtual
Edmark 2 (JT)	Edmark 6 (JT)-US-CIP	US6504535	09/191012		US	7-Jan-03	30-Jun-18	12-Nov-98	Reality Display Techniques For Three-Dimenional Virtual
Edmark 2 (JT)	Edmark 7 (JT)-US-CIP	US6351262	09/190743		US	26-Feb-02	30-Jun-18	12-Nov-98	Reality Display Techniques For Three-Dimensional Virtual
Edmark 5 (JT)	Edmark 5 (JT)-US-NP	US6236402	09/160758		US	22-May-01	25-Sep-18	25-Sep-98	Reality
Edmark 8 (JT)	Edmark 8 (JT)-US-NP	US6567085	09/470480		US	20-May-03	22-Dec-19	22-Dec-99	Display Techniques For Three-Dimensional Virtual Reality
Eggleton 2-2 (BJ)	Eggleton 2-2 (BJ)-US-NP	US6108474	08/989093		US	22-Aug-00	11-Dec-17	11-Dec-97	Optical Pulse Compressor For Optical Communications System
Eggleton 23-1-26-11-9 (BJ)	Eggleton 23-1-26-11-9 (BJ)-US- NP	US6529676	09/733182	20020071646	US	4-Mar-03	8-Dec-20	8-Dec-00	Waveguide Incorporating Tunable Scattering Materia
Eggleton 26-1-1-14 (BJ)	Eggleton 26-1-1-14 (BJ)-JP-NP	JP4828770	2002070749		JP	22-Sep-11	14-Mar-22	14-Mar-02	Optical Pulse Source For Long Haul Optical Communication Systems
Eggleton 26-1-1-14 (BJ)	Eggleton 26-1-1-14 (BJ)-US-NP	US6940889	10/084788		US	6-Sep-05	26-Feb-22	26-Feb-02	Optical Pulse Source For Long Haul Optical Communication Systems
Eggleton 27-1-12 (BJ)	Eggleton 27-1-12 (BJ)-US-NP	US6386714	09/849050		US	14-May-02	4-May-21	4-May-01	Controlling Mirror Shape For Generating Interference Pattern And The Like
Eggleton 6-5 (BJ)	Eggleton 6-5 (BJ)-DE-EPA	EP0998067	99308370.8	EP0998067	DE	24-Jul-02	22-Oct-19	22-Oct-99	Article Comprising An Optical Pulse Compressor
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Eggleton 6-5 (BJ)	Eggleton 6-5 (BJ)-FR-EPA	EP0998067	99308370.8	EP0998067	FR	24-Jul-02	22-Oct-19	22-Oct-99	Article Comprising An Optical Pulse Compressor
Eggleton 6-5 (BJ)	Eggleton 6-5 (BJ)-GB-EPA	EP0998067	99308370.8	EP0998067	GB	24-Jul-02	22-Oct-19	22-Oct-99	Article Comprising An Optical Pulse Compressor

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

EARLY .	Case Reference	GRANT	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE	EXPIRATION DATE	APPLICATION DATE	TITLE
		NUMBER							
Eggleton 6-5 (BJ)	Eggleton 6-5 (BJ)-IT-EPA	EP0998067	99308370.8	EP0998067	IT	24-Jul-02	22-Oct-19	22-Oct-99	Article Comprising An Optical Pulse Compressor
Eggleton 6-5 (BJ)	Eggleton 6-5 (BJ)-US-NP	US6163638	09/181728		US	19-Dec-00	29-Oct-18	29-Oct-98	Article Comprising An Optical Pulse Compressor Method for Initiating Call Blocking Based Upon Pilot
Eibling 3-5-34-5-27 (EE)	Eibling 3-5-34-5-27 (EE)-US-NP	US6487415	09/356816		US	26-Nov-02	19-Jul-19	19-Jul-99	Fraction
Eibling 5-5 (EE)	Eibling 5-5 (EE)-US-NP	US6842492	09/507270		US	11-Jan-05	18-Feb-20	18-Feb-00	Method And Apparatus For Peak-To-Average Signal Reduction For Radio Frequency Transmitters
Eichenbaum 11 (BR)	Eichenbaum 11 (BR)-US-NP	US6252719	09/272494		US	26-Jun-01	19-Mar-19	19-Mar-99	Beam Splitter/Combiner Module
Eick 25-1 (SG)	Eick 25-1 (SG)-US-NP	US6154212	08/965182		US	28-Nov-00	6-Nov-17	6-Nov-97	Method And Apparatus For Constructing Network Interfaces
	Eijk 1-3-2-3-3-1-1-6 (PV)-US-NP	US6778781	09/781862		US	17-Aug-04	12-Feb-21	12-Feb-01	Health Check Algorithm For Protection Circuit In Optical Network
,	Eijk 2-4-3-4-4-2-2-7 (PV)-DE-EPA		01306905.9	EP1231812	DE	14-Apr-04	14-Aug-21	14-Aug-01	Fast Protection Switching By Snooping On Upstream Signals In An Optical Network
,	Eijk 2-4-3-4-4-2-2-7 (PV)-FR-EPA		01306905.9	EP1231812	FR	14-Apr-04	14-Aug-21	14-Aug-01	Fast Protection Switching By Snooping On Upstream Signals In An Optical Network
Eijk 2-4-3-4-4-2-2-7 (PV)	Eijk 2-4-3-4-4-2-2-7 (PV)-US-NP	US6868232	09/781864	11231012	US	15-Mar-05	12-Feb-21	12-Feb-01	Fast Protection Switching By Snooping On Upstream Signals In An Optical Network
				20020222250					Hybrid Protection Using Mesh Restoration And 1:1
Einstein 5-4 (DS)	Einstein 5-4 (DS)-US-NP	US7242664	10/158713	20030223359	US	10-Jul-07	31-Mar-25	30-May-02	Protection Communication Between User Agents Through
Ejzak 36-5 (RP)	Ejzak 36-5 (RP)-US-NP	US7443879	10/295775	20040095958	US	28-Oct-08	23-Dec-25	14-Nov-02	Employment Of CODEC Format Unsupported By One Of The User Agents
Ejzak 42 (RP)	Ejzak 42 (RP)-US-NP	US7366514	10/823667	20050245261	US	29-Apr-08	29-Mar-25	14-Apr-04	Method Of Handing Off A Packet Switched Call To A Circuit Switched Call
Ejzak 43 (RP)	Ejzak 43 (RP)-US-NP	US7301938	10/823580	20050245263	US	27-Nov-07	15-Nov-24	14-Apr-04	Method Of Transferring A Packet Switched Call To A Circuit Switched Call
									Mobile Communication Device Receipt Through
Ejzak 46-15-7 (RP)	Ejzak 46-15-7 (RP)-US-NP	US8218462	11/084281	20060211423	US	10-Jul-12	24-Dec-27	18-Mar-05	Second Telecommunication Network Of Call Directed To Registration In First Telecommunication Network
Ejzak 52 (RP)	Ejzak 52 (RP)-US-NP	US7885234	11/872923	20090086674	US	8-Feb-11	17-Jul-29	16-Oct-07	A Method And System For Providing Voice Call Continuity
,,,,,,	-,		,						System And Method For Adaptive Modification Of Modulated And Coded Schemes In A Communication
Ejzak 8 (RP)	Ejzak 8 (RP)-JP-NP	JP3096680	10265035		JP	4-Aug-00	18-Sep-18	18-Sep-98	System System And Method For Adaptive Modification Of
Ejzak 8 (RP)	Ejzak 8 (RP)-US-NP	US6389066	08/938031		US	14 May 03	21 Fan 17	21-Sep-97	Modulated And Coded Schemes In A Communication System
, , ,						14-May-02	21-Sep-17		A Method And Apparatus For Electronic Labeling And
Elberty 1-1-1-1 (TA)	Elberty 1-1-1-1 (TA)-US-NP	US6084512	09/165462		US	4-Jul-00	2-Oct-18	2-Oct-98	Localizing
Elder 1-3-3-4-15-6 (MJ)	Elder 1-3-3-4-15-6 (MJ)-US-NP	US6810120	09/570617		US	26-Oct-04	15-May-20	15-May-00	Method of Determining Answer Supervision At A Line Appearance Of A Public Switch Telephone Network
El-Kik 4 (TS)	El-Kik 4 (TS)-US-NP	US6327649	09/236049		US	4-Dec-01	22-Jan-19	22-Jan-99	Apparatus For Developing Internal ROM Code Using A ROM Bus External Interface
Elko 15-1 (GW)	Elko 15-1 (GW)-US-NP	US6424719	09/363674		US	23-Jul-02	29-Jul-19	29-Jul-99	Acoustic Crosstalk Cancellation System
Elwalid 9-17 (A)	Elwalid 9-17 (A)-JP-NP	JP3505121	200076282	2000295251	JP	19-Dec-03	17-Mar-20	17-Mar-00	Packet Scheduling In A Communication Network With Statistical Multiplexing Of Service Classes
									Packet Scheduling In A Communication Network With
Elwalid 9-17 (A)	Elwalid 9-17 (A)-US-NP	US6567415	09/273433		US	20-May-03	20-Mar-19	20-Mar-99	Statistical Multiplexing Of Service Classes  Device Box For Wall Mounted Communications
Engel 2 (MA)	Engel 2 (MA)-US-NP	US6207895	09/275616		US	27-Mar-01	24-Mar-19	24-Mar-99	Apparatus Article Comprising An Optical Fiber Cascaded Raman
Engelberth 7-6 (JW)	Engelberth 7-6 (JW)-DE-EPA	EP0984532	99306126.6	EP0984532	DE	17-Oct-01	2-Aug-19	2-Aug-99	Resonator Article Comprising An Optical Fiber Cascaded Raman
Engelberth 7-6 (JW)	Engelberth 7-6 (JW)-FR-EPA	EP0984532	99306126.6	EP0984532	FR	17-Oct-01	2-Aug-19	2-Aug-99	Resonator Article Comprising An Optical Fiber Cascaded Raman
Engelberth 7-6 (JW)	Engelberth 7-6 (JW)-GB-EPA	EP0984532	99306126.6	EP0984532	GB	17-Oct-01	2-Aug-19	2-Aug-99	Resonator  Article Comprising An Optical Fiber Cascaded Raman
Engelberth 7-6 (JW)	Engelberth 7-6 (JW)-IT-EPA	EP0984532	99306126.6	EP0984532	п	17-Oct-01	2-Aug-19	2-Aug-99	Resonator Article Comprising An Optical Fiber Cascaded Raman
Engelberth 7-6 (JW)	Engelberth 7-6 (JW)-US-NP	US6163552	09/134296		US	19-Dec-00	14-Aug-18	14-Aug-98	Resonator
Engelhorn 1-29-2 (SL)	Engelhorn 1-29-2 (SL)-US-NP	US6317042	09/562885		US	13-Nov-01	1-May-20	1-May-00	Automated Emergency Announcement System
	Ensor 8 (JR)-US-NP	US6144390	08/906216		US	7-Nov-00	4-Aug-17	4-Aug-97	Display Composition Technique
Erben 1-6-43-2 (CG)	Erben 1-6-43-2 (CG)-US-NP	US6711308	10/032798	20030165282	US	23-Mar-04	26-Dec-21	26-Dec-01	Electro-Optical Modulators Integrated Optical Devices and Method of Fabrication
	Erben 4 (CG)-US-CIP	US6751396	10/326346	20030123806	US	15-Jun-04	26-Dec-21	20-Dec-02	Therefor
Erben 1-6-43-2 (CG) Erben 2-28 (CG)	Erben 5-13-53-5 (CG)-US-DIV Erben 2-28 (CG)-US-NP	US6819808 US6856745	10/762976 10/188942	20040005132	US US	16-Nov-04 15-Feb-05	26-Dec-21 2-Jul-22	22-Jan-04 2-Jul-02	Electro-Optical Modulators Waveguide And Application Therefore
Erfani 3-26-22 (S)	Erfani 3-26-22 (S)-DE-EPA	EP1271994	02250067.2	EP1271994	DE	16-Aug-06	7-Jan-22	7-Jan-02	Advanced Signaling System For Switcing And Control In Integrated Optical Networks
Erfani 3-26-22 (S)	Erfani 3-26-22 (S)-FR-EPA	EP1271994	02250067.2	EP1271994	FR	16-Aug-06	7-Jan-22	7-Jan-02	Advanced Signaling System For Switcing And Control In Integrated Optical Networks
Erfani 3-26-22 (S)	Erfani 3-26-22 (S)-GB-EPA	EP1271994	02250067.2	EP1271994	GB	16-Aug-06	7-Jan-22	7-Jan-02	Advanced Signaling System For Switcing And Control In Integrated Optical Networks
Eryilmaz 2 (E)	Eryilmaz 2 (E)-US-NP	US6407995	08/911119		US	18-Jun-02	14-Aug-17	14-Aug-97	Independently Switched Voice And Data Calls Using A Single PSTN Line Connection
Erynniaz 2 (E)	Coymina 2 (C)-OSTAF	030407333	00/311113		0.5	10-3011102	1+-Aug-1/	14-Mug-37	
Eryurtlu 2 (FM)	Eryurtlu 2 (FM)-DE-EPA	EP1081958	99306931.9	EP1081958	DE	1-Feb-06	31-Aug-19	31-Aug-99	Method And Apparatus For Macroblock DC And AC Coefficient Prediction For Video Coding
	5 0 (5) N 5		00000004 -	50400405-					Method And Apparatus For Macroblock DC And AC
Eryurtlu 2 (FM)	Eryurtiu 2 (FM)-FR-EPA	EP1081958	99306931.9	EP1081958	FR	1-Feb-06	31-Aug-19	31-Aug-99	Coefficient Prediction For Video Coding
Eryurtlu 2 (FM)	Eryurtiu 2 (FM)-GB-EPA	EP1081958	99306931.9	EP1081958	GB	1-Feb-06	31-Aug-19	31-Aug-99	Method And Apparatus For Macroblock DC And AC Coefficient Prediction For Video Coding
									Method And Apparatus For Macroblock DC And AC
Eryurtlu 2 (FM) Eryurtlu 3 (FM)	Eryurtlu 2 (FM)-US-NP Eryurtlu 3 (FM)-US-NP	US6977961 US7191389	10/069687 10/069686		US US	20-Dec-05 13-Mar-07	15-May-20 15-May-20	15-May-00 15-May-00	Coefficient Prediction For Video Coding Video Signal Error Detection Systems
	Esh 1-18-34-14 (TD)-DE-EPT	EP1889462	06772077.1	EP1889462	DE	25-Feb-15	5-Jun-26	5-Jun-06	Systems And Methods For Providing Location Enabled Voice Mail

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

	CASE	GRANT	APPLICATION	PUBLICATION		rssue		APPLICATION	
FAMILY	REFERENCE	NUMBER	NUMBER	NUMBER	COUNTRY		DATE	DATE	TEFLE Systems And Methods For Providing Location
Esh 1-18-34-14 (TD)	Esh 1-18-34-14 (TD)-FR-EPT	EP1889462	06772077.1	EP1889462	FR	25-Feb-15	5-Jun-26	5-Jun-06	Enabled Voice Mail Systems And Methods For Providing Location
Esh 1-18-34-14 (TD)	Esh 1-18-34-14 (TD)-GB-EPT	EP1889462	06772077.1	EP1889462	GB	25-Feb-15	5-Jun-26	5-Jun-06	Enabled Voice Mail Articles And Systems Comprising Digitally Tunable
Espindola 18-162-11 (RP)		US6128427	09/141906		us	3-Oct-00	28-Aug-18	28-Aug-98	Optical Gratings
Espindola 6-148-2-44 (RP)	Espindola 6-148-2-44 (RP)-US- NP	US6141470	09/020206		US	31-Oct-00	6-Feb-18	6-Feb-98	Magnetically Reconfigurable Optical Grating Devices And Communication Systems
Essiambre 3-4-11 (R)	Essiambre 3-4-11 (R)-US-NP	US6792214	09/671924		US	14-Sep-04	28-Sep-20	28-Sep-00	Dispersion Compensation In Optical Fiber Transmission Lines
Essiambre 5-1 (R)	Essiambre 5-1 (R)-US-NP	US7027740	10/152645	20040208617	US	11-Apr-06	27-May-24	21-May-02	Method and Apparatus for Extending Optical Communication
Etter 2 (W)	Etter 12 (W)-US-CNT	US8135587	11/398555	20060271360	US	13-Mar-12	5-Sep-19	6-Apr-06	Estimating The Noise Components Of A Signal During Periods Of Speech Activity
Etter 2 (W)	Etter 2 (W)-US-NP	US7072831	09/107919	20000271300	US	4-Jul-06	30-Jun-18	30-Jun-98	Estimating The Noise Components Of A Signal
									Methods And Apparatus For Enhanced Security
Etzel 3-1-9-1-10-6-1 (MH)	Etzel 3-1-9-1-10-6-1 (MH)-JP- PCT	JP3459074	11500659		JP	8-Aug-03	13-Apr-18	13-Apr-98	Expansion Of A Secret Key Into A Lookup Table For Improved Security For Wireless Telephone Message
									Methods And Apparatus For Enhanced Security
Etzel 3-1-9-1-10-6-1 (MH)	Etzel 3-1-9-1-10-6-1 (MH)-US-NP	1156233337	09/059116		US	15-May-01	13-Apr-18	13-Apr-98	Expansion Of A Secret Key Into A Lookup Table For Improved Security For Wireless Telephone Message
Elect 3 13 1-10 0 1 (IMII)	EEC 3 1 3 1 10 0 1(MII) 03 M	03023337	03/033110		03	15 (vidy 01	13 Apr-10	13 Apr 30	
	Etzel 4-2-10-2-11-7-2 (MH)-US-								Methods And Apparatus For Self-Inverting Multiple- Iteration CMEA Crypto-Processing For Improved
Etzel 4-2-10-2-11-7-2 (MH)	NP	US6418224	09/073131		US	9-Jul-02	5-May-18	5-May-98	Security For Wireless Telephone Messages  Methods And Apparatus For Multiple-Iteration CMEA
Etzel 7-5-13-5-14-10-5 (MH)	Etzel 7-5-13-5-14-10-5 (MH)-JP- PCT	JP3459073	10544336		JP	8-Aug-03	14-Apr-18	14-Apr-98	Encryption And DecryptionFor Improved Security For Wireless Telephone Messages
(,	Etzel 7-5-13-5-14-10-5 (MH)-US-							200,000	Methods And Apparatus For Multiple-Iteration CMEA Encryption And DecryptionFor Improved Security For
Etzel 7-5-13-5-14-10-5 (MH)		US6266411	09/059107		US	24-Jul-01	13-Apr-18	13-Apr-98	Wireless Telephone Messages
Eubanks 2-4 (GW)	Eubanks 2-4 (GW)-US-NP	US5923515	09/013582		US	13-Jul- <del>99</del>	27-Jan-18	27-Jan-98	Battery Protection Fuse Assembly
Evans 30 (JG) Even 4 (S)	Evans 30 (JG)-US-NP Even 4 (S)-US-NP	US6278722 US6018523	09/030554 08/955685		US US	21-Aug-01 25-Jan-00	25-Feb-18 22-Oct-17	25-Feb-98 22-Oct-97	Architecture for a Digital Portable Telephone Switching Networks Having Improved Layouts
Ewes 6-5-1-11 (I)	Ewes 6-5-1-11 (I)-JP-NP	JP5329738	2005269310	2006093700	JP	2-Aug-13	16-Sep-25	16-Sep-05	Heat-Transfer Devices
Ewes 0-3-1-11 (I)	Ewes 0-3-1-11 (1)-31-141	JFJ323736	2003209310	2000093700	J.	2-Aug-13	16-3ср-23	10-зер-03	Method and computer program logic for providing
Excel 22	Excel 22 ()-US-NP	US5987118	08/956221		US	16-Nov- <del>99</del>	21-Oct-17	21-Oct-97	an intelligent network operator console with enhanced services
Excel 30	Excel 30 ()-US-NP	US6137801	09/072858		US	24-Oct-00	5-May-18	5-May-98	Telecommunication Switching System Administrative and Management Tools
Excel 32	Excel 32 ()-US-NP	US6373849	09/093583		US	16-Apr-02	8-Jun-18	8-Jun-98	Resource Interface Unit for Telecommunications Switching Node
									Programming Call Processing Application in a
Excel 33	Excel 33 ()-US-NP	US6526050	09/093555		US	25-Feb-03	8-Jun-18	8-Jun-98	Switching System Telecommunications Switching Node with Multiple
Excel 34	Excel 34 ()-US-NP	US6285670	09/017644		US	4-Sep-01	2-Feb-18	2-Feb-98	Ports for Host-Node Communications
Excel 36	Excel 36 ()-US-NP	US6370146	09/107152		US	9-Apr-02	29-Jun-18	29-Jun-98	Method and Apparatus for Non-Disruptive Addition of a New Node to an Internodal Network
	, ,					·			Method and Apparatus for In Service Software upgrade for Expandable Telecommunications
Excel 37	Excel 37 ()-US-NP	US6397385	09/356284		US	28-May-02	16-Jul-19	16-Jul-99	Systems
	Excel 38 ()-US-NP	US6389024	09/093554		US	14-May-02	8-Jun-18	8-Jun-98	Flexible Call Routing System Dialing Plan Arrangement for Expandable
Excel 40	Excel 40 ()-US-NP	US6370136	09/272664		US	9-Apr-02	18-Mar-19	18-Mar-99	Telecommunications System  Arrangement for Providing Network Protocol Data
Excel 41	Excel 41 ()-US-NP	US6463056	09/272659		US	8-Oct-02	18-Mar-19	18-Mar-99	Independence in an Expandable Telecommunications System
Excel 43	Excel 43 ()-US-NP	US6594685	09/291869		US	15-Jul-03	14-Apr-19	14-Apr-99	A Universal Application Programming Interface Having Generic Message Format
EACEI 43		030354083	03/231803		03	13-501-03	14-Ap1-13	14-Apr-33	Joystick Interface Having a Processor for Waking up a
Fadavi-Ardekani 21-6-8-3 (J)	Fadavi-Ardekani 21-6-8-3 (J)-GB- NP	GB2342475	9914626.8		GB	31-Jan-01	23-Jun-19	23-Jun-99	Host Processor in a SLeep Mode Based on Joystick Movement
	Fadavi-Ardekani 21-6-8-3 (J)-US-								Joystick Interface Having a Processor for Waking up a Host Processor in a SLeep Mode Based on Joystick
Fadavi-Ardekani 21-6-8-3 (J)	NP	US6279048	09/110673		US	21-Aug-01	7-Jul-18	7-Jul-98	Movement Arrangement Of Delivering Internet Protocol
Falck 5-17 (KF)	Falck 5-17 (KF)-US-NP	US6360265	09/112170		US	19-Mar-02	8-Jul-18	8-Jul-98	Datagrams For Multimedia Services To The Same Server
			·						
Falkenstein 1-1-8 (DI)	Falkenstein 1-1-8 (DI)-US-NP	US7016379	09/910601		US	21-Mar-06	11-Feb-24	20-Jul-01	Integrated Network Element Methods Of Channel Coding For Communication
Farag 5 (EN)	Farag 5 (EN)-KR-PCT	KR101280144 ZL200680028405	20087002968		KR	24-Jun-13	21-Jul-26	21-Jul-06	Systems Methods Of Channel Coding For Communication
Farag 5 (EN)	Farag 5 (EN)-CN-PCT	.х	200680028405.X	CN101233692A	CN	13-Feb-13	21-Jul-26	21-Jul-06	Systems Methods Of Channel Coding For Communication
Farag 5 (EN)	Farag 5 (EN)-DE-EPT	EP1911165	06788065.8	EP1911165	DE	4-Mar-15	21-Jul-26	21-Jul-06	Systems
Farag 5 (EN)	Farag 5 (EN)-FR-EPT	EP1911165	06788065.8	EP1911165	FR	4-Mar-15	21-Jul-26	21-Jul-06	Methods Of Channel Coding For Communication Systems
Farag 5 (EN)	Farag 5 (EN)-GB-EPT	EP1911165	06788065.8	EP1911165	GB	4-Mar-15	21-Jul-26	21-Jul-06	Methods Of Channel Coding For Communication Systems
Farag 5 (EN)	Farag 5 (EN)-US-NP	US7764743	11/197306	20070030917	US	27-Jul-10	7-Mar-28	5-Aug-05	Methods Of Channel Coding For Communication Systems
	Farla 1-3 (RC)-US-NP	US7260098	10/255272	20040062247	US	21-Aug-07	21-Jun-25	26-Sep-02	Cyclic Buffering Of A Datastream  Channel Responsive Television Input Signal Interface
Farleigh 4 (SE)	Farleigh 4 (SE)-US-NP	US6208388	08/953877		US	27-Mar-01	18-Oct-17	18-Oct-97	Circuit And Method
Fatehi 10-1-1-1-1-4-1 (MT)	Fatehi 10-1-1-1-1-4-1 (MT)-US- NP	US6008934	08/966423		US	28-Dec-99	7-Nov-17	7-Nov-97	Shared-Pump Multi-Fiber Optical Amplifier
Fatehi 23-27 (MT)	Fatehi 23-27 (MT)-US-NP	US6067389	09/123085		US	23-May-00	27-Jul-18	27-Jul-98	Wavelength-Selective Optical Cross-Connect
	Fatehi 25-2 (MT)-US-NP	US6185021	09/045481		US	6-Feb-01	20-Mar-18	20-Mar-98	Cross-Connecting Optical Translator Array  Dynamically Assignable Optical Signal Access Control
Fatehi 28-10 (MT)	Fatehi 28-10 (MT)-US-NP	US6535313	09/173793		US	18-Mar-03	16-Oct-18	16-Oct-98	Apparatus
Fatehi 32-40 (MT)	Fatehi 32-40 (MT)-DE-EPA	EP1076469	00306518.2	EP1076469	DE	19-May-10	31-Jul-20	31-Jul-00	Optical Wavelength-Space Cross-Connect Switch Architecture
Fatehi 32-40 (MT)	Fatehi 32-40 (MT)-FR-EPA	EP1076469	00306518.2	EP1076469	FR	19-May-10	31-Jul-20	31-Jul-00	Optical Wavelength-Space Cross-Connect Switch Architecture

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	TITLE
Fatehi 32-40 (MT)	Fatehi 32-40 (MT)-GB-EPA	EP1076469	00306518.2	EP1076469	GB	19-May-10	31-Jul-20	31-Jul-00	Optical Wavelength-Space Cross-Connect Switch Architecture
Fatehi 32-40 (MT)	Fatehi 32-40 (MT)-US-NP	US6192172	09/370824		US	20-Feb-01	9-Aug-19	9-Aug-99	Optical Wavelength-Space Cross-Connect Switch Architecture
Fatehi 36-20-19 (MT)	Fatehi 36-20-19 (MT)-US-NP	US6694100	09/587576		US	17-Feb-04	5-Jun-20	5-Jun-00	Space Wavelength Time-Division Multiple Access Optical Transmission system
Faynberg 2-2 (I) Feder 14-11-19-3-1-60-8	Faynberg 2-2 (I)-US-NP Feder 14-11-19-3-1-60-8 (PM)-	US6222826	08/974322		US	24-Apr-01	19-Nov-17	19-Nov-97	Multimedia Calling Method And Apparatus Method And Apparatus For Cellular Communication
(PM)	US-CNT	US8194597	13/089351	20110194548	US	5-Jun-12	30-Jun-24	19-Apr-11	Over Data Networks Wireless Modem Alignment In A Multi-Cell
Feder 7-7-11 (PM)	Feder 7-7-11 (PM)-US-NP	US6438363	09/440045		US	20-Aug-02	15-Nov-19	15-Nov-99	Environment Method And Apparatus For Identifying Telephone
Feinberg 2-1 (BN)	Feinberg 2-1 (BN)-US-NP	US6208721	09/235435		US	27-Mar-01	22-Jan-19	22-Jan-99	Callers Who Have Been Unsuccessful In Reaching A Called Destination
, , ,	,								Method And Apparatus For Generating A Verified Algorithm For Transforming AProgram From A First
Felty 1-2-1 (AP)	Felty 1-2-1 (AP)-US-NP	US6343372	09/330526		US	29-Jan-02	11-Jun-19	11-Jun-99	Form To A Second Form
Famalia (CC)	Farabal 2 (CC) HC ND	US6964047	10/027200	20030120713	US	8-Nov-05	5-Nov-23	20-Dec-01	Method And Apparatus For A Fast Process Monitor
Fenchel 3 (GG)	Fenchel 3 (GG)-US-NP	030304047	10/02/200	20030120713	03	8-1404-03	J-110V-25	20-060-01	Suitable For A High Availability System
Ferragina 1-11 (P)	Ferragina 1-11 (P)-US-NP	US6434566	09/203066		US	13-Aug-02	1-Dec-18	1-Dec-98	Method And System For Supporting Multi-Method Dispatching In Object-Oriented Programming
Ferranti 3-21-7 (SA)	Ferranti 3-21-7 (SA)-US-NP	US6272022	09/438986		US	7-Aug-01	12-Nov-19	12-Nov-99	Bracket Assembly With Enhanced EMI Containment
Feuiner 1-2-4-2-7 (MR)	Feuiner 1-2-4-2-7 (MR)-DE-EPA	EP1079481	00306920.0	EP1079481	DE	6-Apr-05	14-Aug-20	14-Aug-00	Fast Gain Control For Optical Amplifiers
Feuiner 1-2-4-2-7 (MR)	Feuiner 1-2-4-2-7 (MR)-FR-EPA	EP1079481	00306920.0	EP1079481	FR	6-Apr-05	14-Aug-20	14-Aug-00	Fast Gain Control For Optical Amplifiers
Feuiner 1-2-4-2-7 (MR)	Feuiner 1-2-4-2-7 (MR)-US-NP	US6366393	09/382853		US	2-Apr-02	25-Aug-19	25-Aug-99	Fast Gain Control For Optical Amplifiers
Fidler 1-1-22 (FB)	Fidler 1-1-22 (FB)-US-NP	US7613125	11/306425		US	3-Nov-09	2-Sep-28	28-Dec-05	Method And Apparatus For Temporal Alignment Of Multiple Parallel Data Streams
Fields 2-29-24-18 (JA)	Fields 2-29-24-18 (JA)-US-NP	US6771671	09/444091		US	3-Aug-04	22-Nov-19	22-Nov-99	Data Flow Synchronization And Ordering
Fineberg 1 (V)	Fineberg 1 (V)-US-NP	030771071	10/121188	20030196105	US	3-Aug-04	12-Apr-22	12-Apr-02	Remote Access VPN Extranets
Fischer 2-1 (G)	Fischer 2-1 (G)-US-NP	US6898257	09/788900	20010055347	US	24-May-05	20-Feb-21	20-Feb-01	Transmitter Device Having A Modulation Closed Loop
Fischer 31-2 (G) Fischer 31-2 (G)	Fischer 31-2 (G)-DE-EPA Fischer 31-2 (G)-FR-EPA	EP1643593 EP1643593	04255959.1 04255959.1	EP1643593 EP1643593	DE FR	12-Jan-11 12-Jan-11	29-Sep-24 29-Sep-24	29-Sep-04 29-Sep-04	Aperture Antenna Element Aperture Antenna Element
Fischer 31-2 (G) Fischer 31-2 (G)	Fischer 31-2 (G)-GB-EPA Fischer 31-2 (G)-US-NP	EP1643593 US7030825	04255959.1 10/954033	EP1643593 20060066497	GB US	12-Jan-11 18-Apr-06	29-Sep-24 3-Dec-24	29-Sep-04 29-Sep-04	Aperture Antenna Element Aperture Antenna Element
Fishkin 2-2 (SG)	Fishkin 2-2 (SG)-US-NP	US7404101	10/701276	20050096884	US	22-Jul-08	1-May-26	4-Nov-03	Optimal Configuration Method
Fishman 12-19-3 (DA)	Fishman 13-20-4 (DA)-US-DIV	US6411750	09/997058	20020051619	US	25-Jun-02	16-Dec-19	29-Nov-01	Distortion Analyzer
	Fishman 15-7-15-3-17 (DA)-US-								Method, Apparatus and System For Reducing Gain
Fishman 15-7-15-3-17 (DA)	NP	US6859306	10/357646	20040150875	US	22-Feb-05	4-Feb-23	4-Feb-03	Ripple In A RAMAN-Amplified WDM System
Fishman 22-48 (DA)	Fishman 22-48 (DA)-US-NP	US7660537	11/367141	20070206954	US	9-Feb-10	1-Sep-28	3-Mar-06	Simultaneous Electrical Pre-Compensation Of Self- Phase Modulation And Chromatic Dispersion
									Method And Apparatus For Automatic Compensation
Fishman 9-18-2 (DA)	Fishman 9-18-2 (DA)-US-NP	US5930414	08/931553		US	27-Jul-99	16-Sep-17	16-Sep-97	Of First-Order Polarization Mode Dispersion (PWD)  A Receiver For Pilot-Aided Code-Division Multiple
Flanagan 1-1 (MJ)	Flanagan 1-1 (MJ)-US-NP	US6141334	08/980321		US	31-Oct-00	28-Nov-17	28-Nov-97	Access
Flanagan 7 (RT) Fleming 10-11-41-74-3-4	Flanagan 7 (RT)-US-NP Fleming 10-11-41-74-3-4 (DA)-	US6163569	09/136257		US	19-Dec-00	19-Aug-18	19-Aug-98	Split-Architecture Modem Process For Fabricating Silica Article Utilizing Sol-Gel
(DA) Fleming 14-140-50-25-42	US-NP Fleming 14-140-50-25-42 (DA)-	US6080339	09/097496		US	27-Jun-00	15-Jun-18	15-Jun-98	Extrusion Device For Tuning Wavelength Response Of An
(DA)	US-NP	US5987200	08/957953		US	16-Nov-99	27-Oct-17	27-Oct-97	Optical Fiber Grating
Florkey 16-10-24 (C)	Florkey 16-10-24 (C)-US-NP	US7860231	10/768409	20050170826	US	28-Dec-10	15-Dec-26	30-Jan-04	Porting A Directory Number For A Duration Of Time
									Communication Device Employment Of One Or More Restrictions To Make Determination Of Allowability
Florkey 5-5-13-5-35 (C)	Florkey 5-5-13-5-35 (C)-US-NP	US8000695	10/609861	20050027830	US	16-Aug-11	1-Jul-26	30-Jun-03	Of One Or More Communication Sessions
Fluss 1 (HS)	Fluss 1 (HS)-US-NP	US6304578	09/071471		US	16-Oct-01	1-May-18	1-May-98	Packet Routing And Queuing At Headend Of Shared Data Channel
Flynn 1 (RW)	Flynn 1 (RW)-US-NP	US6198785	08/939417		US	6-Mar-01	29-Sep-17	29-Sep-97	Autobaud Rate Detection And Adjustment Method For Controlling A Network Element From A
Foley 2-2 (MP) Ford 28 (JE)	Foley 2-2 (MP)-US-NP Ford 28 (JE)-US-NP	US6487590 US6307657	09/184101 09/118553		US US	26-Nov-02 23-Oct-01	30-Oct-18 17-Jul-18	30-Oct-98 17-Jul-98	Remote Workstation Optomechanical Platform
Ford 38-37 (JE)	Ford 38-37 (JE)-US-NP	US6392769	09/272976		US	21-May-02	19-Mar-19	19-Mar-99	Automatic Level Control Circuit For Optical System
Ford 40-41-30-30 (JE)	Ford 40-41-30-30 (JE)-US-NP	US6567195	09/335334		US			17-Jun-99	Optical Network Using Remote Optical Powering Of Optoelectronic Switch
						20-May-03	17-Jun-19 27-Oct-19		Reduction Of Modal Noise In Step-Index Fiber
Ford 43-31 (JE)	Ford 43-31 (JE)-US-NP	US6577420	09/427682		US	10-Jun-03	27-Oct-19	27-Oct-99	Bundles Wireless Communications System Having A Layered
Foschini 6 (GJ)	Foschini 6 (GJ)-KR-NP	KR626099	9730477		KR	13-Sep-06	1-Jul-17	1-Jul-97	Space-Time Architecture Employing Multi-Element Antennas
Foster 1-2-43-75-14-1-5 (GT)	Foster 1-2-43-75-14-1-5 (GT)-US- NP	US6842462	09/466485		US	11-Jan-05	17-Dec-19	17-Dec-99	Wireless Access Of Packet Based Networks
Francis 2-2 (EG)	Francis 2-2 (EG)-US-NP	US7814634	11/180812	20070011857	US	19-Oct-10	18-Oct-27	13-Jul-05	Electrical Connector Extraction And/Or Insertion Tool
Francy 15 (JP)	Franey 15 (JP)-US-NP	US6334529	09/477834		US	1-Jan-02	5-Jan-20	5-Jan-00	Corrosion Protection System For Anti-Tank Ammunition
Franey 17-5-18-5 (JP)	Francy 17-5-18-5 (JP)-DE-EPA	EP1094543	00308861.4	EP1094543	DE	15-Sep-04	9-Oct-20	9-Oct-00	Patch Antenna Using Non-Conductive Thermo Form
Francy 17-5-18-5 (JP)	Francy 17-5-18-5 (JP)-FR-EPA	EP1094543	00308861.4	EP1094543	FR	15-Sep-04	9-Oct-20	9-Oct-00	Patch Antenna Using Non-Conductive Thermo Form Frame
									Patch Antenna Using Non-Conductive Thermo Form
Franey 17-5-18-5 (JP)	Francy 17-5-18-5 (JP)-GB-EPA	EP1094543	00308861.4	EP1094543	GB	15-Sep-04	9-Oct-20	9-Oct-00	Frame Patch Antenna Using Non-Conductive Thermo Form
Franey 17-5-18-5 (JP)	Franey 17-5-18-5 (JP)-KR-NP	KR668997	200061808		KR	9-Jan-07	20-Oct-20	20-Oct-00	Frame Patch Antenna Using Non-Conductive Thermo Form
Franey 17-5-18-5 (JP)	Franey 17-5-18-5 (JP)-US-NP	US6407704	09/425373		US	18-Jun-02	22-Oct-19	22-Oct-99	Frame Article and Method for In-Process Testing of RF
Frei 2 (MR)	Frei 2 (MR)-US-NP	US5942766	08/932001		US	24-Aug-99	17-Sep-17	17-Sep-97	Products

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	TITLE
Freiberg 19-8-1 (LF)	Freiberg 19-8-1 (LF)-DE-EPA	EP1089458	99310301.9	EP1089458	DE	3-Oct-07	21-Dec-19	21-Dec-99	Radio Telecommunications Network And Method Of Operating Such A Network
Freiberg 19-8-1 (LF)	Freiberg 19-8-1 (LF)-GB-EPA	EP1089458	99310301.9	EP1089458	GB	3-Oct-07	21-Dec-19	21-Dec-99	Radio Telecommunications Network And Method Of Operating Such A Network Method And Apparatus For Controlling Pump Powers
Freund 8 (RW)	Freund 8 (RW)-US-NP	US6912084	10/223789	20040036954	US	28-Jun-05	3-Oct-23	20-Aug-02	Of Broadband Raman Amplifiers Used In Optical Transmission Systems
Freund 9 (RW)	Freund 9 (RW)-US-NP	US7228259	10/881190	20060004551	US	5-Jun-07	8-Jul-25	30-Jun-04	Method And Apparatus For Structure-Preserving Reduced-Order Modeling
Frey 14-3 (AE)	Frey 14-3 (AE)-US-NP	US6535596	08/939353		US	18-Mar-03	29-Sep-17	29-Sep-97	Call Processing System Utilizing Subscriber Services And Preferences
Frey 17-2-6-2-2-1 (AE)	Frey 17-2-6-2-2-1 (AE)-US-NP	US6940846	09/461876		US	6-Sep-05	15-Dec-19	15-Dec-99	Method And Apparatus For Implementing Feature Assist On A Telecommunication Network
Friedel 1-15 (B)	Friedel 1-15 (B)-US-NP	US7091772	10/601491	20040008081	US	15-Aug-06	13-Aug-23	23-Jun-03	Power Amplification By Using Different Fixed Power Supply Signals For The Amplifier
Friedel 8-3 (B)	Friedel 8-3 (B)-US-NP	US7515016	11/372240	20070210873	US	7-Apr-09	25-Jan-27	9-Mar-06	Reconfiguring Impedance Matching For High Power Circuits
Friedel 8-3 (B)	Friedel 8-3 (B)-EP-EPA		06251259.5	EP1833169	EP		9-Mar-26	9-Mar-06	Reconfiguring Impedance Matching For High Power Circuits
Fritzinger 14-2-3-17-18 (LB)	Fritzinger 14-8-3-17-18 (LB)-US- NP	US6174786	09/447154		US	16-Jan-01	23-Nov-19	23-Nov-99	Shallow Trench Isolation Method Providing Rounded Top Trench Corners
Fuchs 1-1-18 (CA)	Fuchs 1-1-18 (CA)-JP-NP	JP5113987	200593388	2005283585	JP	19-Oct-12	29-Mar-25	29-Mar-05	Optical Analyzers Of Polarization Properties
Fuchs 1-1-18 (CA)	Fuchs 1-1-18 (CA)-US-NP	US7206069	10/812164	20050213104	US	17-Apr-07	16-Feb-25	29-Mar-04	Optical Analyzers Of Polarization Properties
Fuchs 1-1-18 (CA)	Fuchs 2-23 (CA)-US-DIV	US7463361	11/702451	20070133005	US	9-Dec-08	29-Mar-24	5-Feb-07	Optical Apparatus Having A Polarization Splitter And Multiple Interferometers
Fuller 5-2-5 (RC)	Fuller 5-2-5 (RC)-US-NP	US6671079	10/016904	20030112487	US	30-Dec-03	14-Dec-21	14-Dec-01	Method And Apparatus For Transmitting A  Modulated Optical Signal  Method For Moduling Noise Emitted By Digital
Gabara 80-2-4-7-1 (TJ)	Gabara 80-7 (TJ)-US-NP	US6938224	10/079447	20020147956	US	30-Aug-05	27-Aug-22	20-Feb-02	Method For Modeling Noise Emitted By Digital Circuits
Gabber 4-9-5-14-2 (E)	Gabber 4-9-5-14-2 (E)-US-NP	US6591291	09/041209		US	8-Jul-03	12-Mar-18	12-Mar-98	System And Method For Providing Anonymous Remailing And Filtering Of Electronic Mail Method And Apparatus For Compound Hardware
Gaddess 1-1 (TG)	Gaddess 1-1 (TG)-US-NP	US6385668	09/288763		US	7-May-02	8-Apr-19	8-Apr-99	Configuration Control
Gafrick 6-6 (JM)	Gafrick 6-6 (JM)-KR-NP	KR755289	20010004251		KR	29-Aug-07	30-Jan-21	30-Jan-01	Method And Apparatus For Re-Establishing A Call In A Communication System
Gafrick 6-6 (JM)	Gafrick 6-6 (JM)-US-NP	US6556816	09/494267		US	29-Apr-03	31-Jan-20	31-Jan-00	Method And Apparatus For Re-Establishing A Call In A Communication System
	_ ,, , , , , , , , , , , , , , , , , ,								Selective Establishment Of Telecommunications Connections Over Packet And Circuit Switched
Gallagher 1-22 (MB)	Gallagher 1-22 (MB)-US-NP	US6704304	09/588248		US	9-Mar-04	13-Jun-22	6-Jun-00	Networks Testing System for Simulating Human Faculties in the
Galler 1-1-1 (BI)	Galler 1-1-1 (BI)-US-NP	US5883665	08/938402		US	16-Mar-99	26-Sep-17	26-Sep-97	Operation of Video Equipment
Ganapathy 4-11-12-1-26 (SK)	Ganapathy 4-11-12-1-26 (SK)-US- NP	US6411953	09/236854		US	25-Jun-02	25-Jan-19	25-Jan-99	Retrieval And Matching Of Color Patterns Based On A Predetermined Vocabulary And Grammar
Ganapathy 4-11-12-1-26 (SK)	Ganapathy 5-16-18-4-27 (SK)-US- DIV	US6487554	10/020346		US	26-Nov-02	25-Jan-19	30-Oct-01	Retrieval And Matching Of Color Patterns Based On A Predetermined Vocabulary And Grammar
Ganapathy 4-11-12-1-26 (SK)	Ganapathy 6-17-19-5-28 (SK)-US- DIV	US6732119	10/188687	20030044062	US	4-May-04	30-Jul-19	3-Jul-02	Retrieval And Matching Of Color Patterns Based On A Predetermined Vocabulary And Grammar
Gandhi 2-1 (MB) Gannon 1 (JR)	Gandhi 2-1 (MB)-US-NP Gannon 1 (JR)-US-NP	US6285980 US6140929	09/184620 09/208054		US US	4-Sep-01 31-Oct-00	2-Nov-18 9-Dec-18	2-Nov-98 9-Dec-98	Context Sharing For Similar Words In Context Dependent Hidden Markov Models Self-Testing Grounding Device
Gans 51-1-36 (MJ)	Gans 51-1-36 (MJ)-IN-NP	IN206755	104/MAS/99		IN	11-May-07	28-Jan-19	28-Jan-99	Method And Apparatus For Achieving Data Rate Variability In Orthogonal Spread Spectrum Communication Systems
Gans 51-1-36 (MJ)	Gans 51-1-36 (MJ)-JP-NP	JP3884184	11053120		JP	24-Nov-06	1-Mar-19	1-Mar-99	Method And Apparatus For Achieving Data Rate Variability In Orthogonal Spread Spectrum Communication Systems
Gans 51-1-36 (MJ)	Gans 51-1-36 (MJ)-US-NP	US6366588	09/032166		US	2-Apr-02	27-Feb-18	27-Feb-98	Method And Apparatus For Achieving Data Rate Variability In Orthogonal Spread Spectrum Communication Systems
									Methods And Devices For Assigning Mobile Devices
Ganti 1-3-3 (A)	Ganti 1-3-3 (A)-US-NP	US7333813	10/457456	20040253962	US	19-Feb-08	26-Feb-25	10-Jun-03	To Base Stations In The Presence Of Interference Method And System For Fair Exchange Of User
Garay 10-1 (JA)	Garay 10-1 (JA)-US-NP	US7412055	10/611771	20050018847	US	12-Aug-08	11-Sep-25	30-Jun-03	Information Decentralized Redundancy Detection Circuit And
Garcia 3-4 (RR) Garg 2-3 (BB)	Garcia 3-4 (RR)-US-NP Garg 2-3 (BB)-US-NP	US5954833 US6970455	08/902055 09/191708	20020131442	US US	21-Sep-99 29-Nov-05	29-Jul-17 13-Nov-18	29-Jul-97 13-Nov-98	Method Of Operation Thereof Space/Time Switch Architecture
Garig 2-3 (BB)  Garland 21-19 (SM)	Garland 21-19 (SM)-US-NP	US6104804	08/994232		US	15-Aug-00	19-Dec-17	19-Dec-97	Control Of Telemetry Interface Gateway During A Voice Call
Garland 21-19 (SM)  Garland 22-20 (SM)	Garland 22-20 (SM)-US-NP	US6212270	08/994245		US	3-Apr-01	19-Dec-17	19-Dec-97	Control Of Telemetry Interface Gateway For A Voice Call
Garland 23-22 (SM)	Garland 23-22 (SM)-US-NP	US6167042	08/931567		US	26-Dec-00	16-Sep-17	16-Sep-97	Improved Communications Between Service Providers And Customer Premises Equipment
Garland 24-1-25 (SM)	Garland 24-1-25 (SM)-US-NP	US6275571	09/092122		US	14-Aug-01	5-Jun-18	5-Jun-98	System For Direct Suppressed Ringing Access Of Subscriber Lines
Garland 25-26 (SM)	Garland 25-26 (SM)-US-NP	US6038297	09/092246		US	14-Mar-00	5-Jun-18	5-Jun-98	System For Party Line Suppressed Ringing Access Of Subscriber Lines
25 (5.1.)	(5.11) 55 111		,		35	2	2 22.17 20	2 2 2 11 3 2	System For Suppressed Ringing Access Of Subscriber
Garland 27-29-1 (SM)	Garland 27-29-1 (SM)-US-NP	US6263055	09/150055		US	17-Jul-01	9-Sep-18	9-Sep-98	Lines To Identify Usage Anomalies Of Customer Premise Equipmnet Connected Thereto Automatic Remote Meter Reading System And
Garland 29-31 (SM)	Garland 29-31 (SM)-CA-NP	CA2279670	2279670		CA	24-Sep-02	5-Aug-19	5-Aug-99	Method Employing Selectable Line Interface
Garland 29-31 (SM)	Garland 29-31 (SM)-US-NP	US5995601	09/164153		US	30-Nov-99	30-Sep-18	30-Sep-98	Automatic Remote Meter Reading System And Method Employing Selectable Line Interface System And Method For Establishing A Call Path
Garland 32-5-33 (SM)	Garland 32-5-33 (SM)-US-NP	US6442256	09/241346		US	27-Aug-02	2-Feb-19	2-Feb-99	System And Method For Establishing A Call Path Through A Private Network Telecommunications Naturals Architecture For
Garland 35-3 (SM)	Garland 35-3 (SM)-US-NP	US6453026	09/425152		US	17-Sep-02	21-Oct-19	21-Oct-99	Telecommunications Network Architecture For Accessing Customer Premises Equipment
Garland 38-2-4-6-39 (SM)	Garland 38-2-4-6-39 (SM)-US-NP	US6452490	09/382282		US	17-Sep-02	24-Aug-19	24-Aug-99	Home/Commercial Security Monitoring System Method And Apparatus For Multiple Logical Channel Information Delivery Over Multiple Suppressed
Garland 39-44 (SM)	Garland 39-44 (SM)-US-NP	US6389120	09/390510		US	14-May-02	3-Sep-19	3-Sep-99	Ringing Physical Channels

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	I SSUE DATE	EXPIRATION	APPLICATION DATE	THTLE
									Providing Alerting/Call Waiting/Call Holding Services
Garland 40-2 (SM)	Garland 40-2 (SM)-US-NP	US6493445	09/397208		US	10-Dec-02	16-Sep-19	16-Sep-99	To On-Line Internet Users  Method And Apparatus For Assessing Quality Of
	Garney 3 (D)-US-NP Garofalakis 6-1-36-11-10 (MN)-	US7174285	09/536502		US	6-Feb-07	27-Mar-20	27-Mar-00	Service For Communication Networks
(MN)	US-NP Garrett 1 (D)-US-NP	US7080314 US7437657	09/595719 10/211688	20030028846	US US	18-Jul-06 14-Oct-08	11-Feb-23 14-Jul-25	16-Jun-00 2-Aug-02	Document Descriptor Extraction Method High Speed Add-Compare-Select Processing
	Garrett 10-21 (D)-US-NP Garrett 2 (D)-US-NP	US7398446 US7400688	10/447113 10/211687	20040255217	US US	8-Jul-08 15-Jul-08	6-Dec-25 26-Aug-24	29-May-03 2-Aug-02	Low Power Operation Of An Address Interleaver Path Metric Normalization
Garrett 3-4 (D)	Garrett 3-4 (D)-US-PCT	US7647547	10/480136	20040181742	US	12-Jan-10	26-Jun-24	2-Aug-02	Turbo Decoder With Reduced-Size Branch Metric Cache
	Garrett 4-5 (D)-EP-EPT		02753430.4	EP1413061	EP		2-Aug-22	2-Aug-02	Clamping And Non Linear Quantization Of Extrinsic
, ,	1 /								Information In An Iterative Decoder Clamping And Non Linear Quantization Of Extrinsic
	Garrett 4-5 (D)-JP-PCT Garyantes 2-1-5-5-1 (MF)-DE-	JP4195378	2003520091	2004538705	JP	3-Oct-08	2-Aug-22	2-Aug-02	Information In An Iterative Decoder
,	EPA Garyantes 2-1-5-5-1 (MF)-FR-	EP1107471	99309994.4	EP1107471	DE	8-Mar-06	10-Dec-19	10-Dec-99	Time-Division Multiplexed Rake Finger For W-CDMA
Garyantes 2-1-5-5-1 (MF)	EPA Garyantes 2-1-5-5-1 (MF)-GB-	EP1107471	99309994.4	EP1107471	FR	8-Mar-06	10-Dec-19	10-Dec-99	Time-Division Multiplexed Rake Finger For W-CDMA
	EPA	EP1107471	99309994.4	EP1107471	GB	8-Mar-06	10-Dec-19	10-Dec-99	Time-Division Multiplexed Rake Finger For W-CDMA
Garyantes 2-1-5-5-1 (MF)	Garyantes 2-1-5-5-1 (MF)-US-NP	US6954487	09/729900		US	11-Oct-05	12-Jun-23	5-Dec-00	Time-Division Multiplexed Rake Finger For W-CDMA
Gasparyan 6-40-30-11 (A)	Gasparyan 6-40-30-11 (A)-US-NP	US7449649	11/379507	20070272528	US	11-Nov-08	29-Sep-26	23-May-06	Liquid Switch
	Gasparyan 9-57-44-14 (A)-US-								
	DIV	US7554046	12/173889		US	30-Jun-09	20-Apr-26	16-Jul-08	Liquid Switch
Gasparyan 7-22-21 (A)	Gasparyan 7-22-21 (A)-US-DIV	US7973637	12/732752	20100182120	US	5-Jul-11	29-Jun-27	26-Mar-10	A Mems Device With Bi-Directional Element
	Gasparyan 7-22-21 (A)-US-NP Gates 12-4 (FV)-US-NP	US7760065 US6353419	11/772039 09/266031	20090002118	US US	20-Jul-10 5-Mar-02	12-Feb-28 11-Mar-19	29-Jun-07 11-Mar-99	A Mems Device With Bi-Directional Element  Antenna Deployer For Raised Microcells
			09/273143						Electronic Apparatus Having An Environmentally
Gates 7 (WG)	Gates 7 (WG)-US-NP	US6101090	09/2/3143		US	8-Aug-00	19-Mar-19	19-Mar-99	Sealed External Enclosure
Gay 10 (SL)	Gay 10 (SL)-US-NP	US7069286	10/256882	20040062403	US	27-Jun-06	4-Oct-24	27-Sep-02	Solution Space Principle Component-Based Adaptive Filter and Method Of Operation Thereof
Gayde 31-5 (RS)	Gayde 31-5 (RS)-US-NP	US8689334	11/712092	20080209564	US	1-Apr-14	29-Mar-29	28-Feb-07	Security Protection For A Customer Programmable Platform
				20000203304					Autonomous Overload Control For Distributed Real
Gehi 1-3-6 (GM)	Gehi 1-3-6 (GM)-US-NP	US5943232	08/959933		US	24-Aug-99	29-Oct-17	29-Oct-97	Time Systems Apparatus And Method For Reducing Phase
Gehlot 12 (NL)	Gehlot 12 (NL)-US-NP	US6377377	09/197403		US	23-Apr-02	20-Nov-18	20-Nov-98	Modulated Gain Fluctuations In Optical Communications Systems And Networks
									Method And System For Using Power Lines For
Gehlot 23-23 (NL)	Gehlot 23-23 (NL)-US-NP	U57072408	09/788959	20020113689	US	4-Jul-06	6-Feb-23	20-Feb-01	Signaling, Telephony And Data Communications
									Methods And Systems For Controlling Handoffs In A
Gehlot 38-35 (NL)	Gehlot 38-35 (NL)-US-NP	US7197310	10/628231	20050026618	US	27-Mar-07	15-Oct-24	29-Jul-03	Wireless Communication System
Gehlot 4 (NL)	Gehlot 4 (NL)-US-NP	US6353806	09/197802		US	5-Mar-02	23-Nov-18	23-Nov-98	System Level Hardware Simulator And Its Automation Apparatus And Method To Overcome Dispersion
Calabar 5 (AN)	Calabara (NII) US NIB	1155 45 2050	00/407722			8-Oct-02	20.1110	20 N 00	Limitations In High Speed Communications Systems And Networks
Gehlot 5 (NL)	Gehlot 5 (NL)-US-NP	US6462850	09/197222		US	8-001-02	20-Nov-18	20-Nov-98	Apparatus And Method For Reducing Optical
Gehlot 6 (NL)	Gehlot 6 (NL)-US-NP	US6542271	09/197073		US	1-Apr-03	20-Nov-18	20-Nov-98	Impairments In Optical Communications Systems And Networks
Ghanadan 1-70 (R)	Ghanadan 1-70 (R)-AU-NP	AU766523	51967/00		AU	5-Feb-04	11-Aug-20	11-Aug-00	Adaptive Gain And/Or Phase Adjustment Control System And Method
									Adaptive Gain And/Or Phase Adjustment Control
	Ghanadan 1-70 (R)-CA-NP	CA2315577	2315577		CA	1-Mar-05	4-Aug-20	4-Aug-00	System And Method Adaptive Gain And/Or Phase Adjustment Control
Ghanadan 1-70 (R)	Ghanadan 1-70 (R)-IN-NP	IN216217	660/MAS/2000		IN	10-Mar-08	18-Aug-20	18-Aug-00	System And Method Adaptive Gain And/Or Phase Adjustment Control
Ghanadan 1-70 (R)	Ghanadan 1-70 (R)-US-NP	US6259319	09/377387		US	10-Jul-01	19-Aug-19	19-Aug-99	System And Method Alternating Gain And Phase Control System And
Ghanadan 2-71 (R)	Ghanadan 2-71 (R)-AU-NP	AU765299	51968/00		AU	8-Jan-04	11-Aug-20	11-Aug-00	Method
Ghanadan 2-71 (R)	Ghanadan 2-71 (R)-CA-NP	CA2315583	2315583		CA	8-Feb-05	8-Aug-20	8-Aug-00	Alternating Gain And Phase Control System And Method
Ghanadan 2-71 (R)	Ghanadan 2-71 (R)-IN-NP	IN244905	659/MAS/2000		IN	24-Dec-10	17-Aug-20	17-Aug-00	Alternating Gain And Phase Control System And Method
Ghanadan 2-71 (R)	Ghanadan 2-71 (R)-US-NP	US6392480	09/378009		US	21-May-02	19-Aug-19	19-Aug-99	Alternating Gain And Phase Control System And Method
	Ghanadan 3-2-14 (R)-US-NP	US6294956	09/444318			25-Sep-01	19-Nov-19	19-Nov-99	System And Method For Producing Amplified
	Ghanadan 3-2-14 (R)-US-NP Ghosh 1-1 (R)-DE-EPA	US6294956 EP1168267	00305204.0		US DE	25-Sep-01 31-Jan-07	19-Nov-19 20-Jun-20	19-Nov-99 20-Jun-00	Signal(s) Or Version(s) Thereof Paging Device
	Ghosh 1-1 (R)-FR-EPA	EP1168267	00305204.0		FR	31-Jan-07	20-Jun-20	20-Jun-00 20-Jun-00	Paging Device
	Ghosh 1-1 (R)-GB-EPA	EP1168267	00305204.0		GB	31-Jan-07	20-Jun-20		Paging Device Multiple Stage And/Or Nested Predistortion System
` '	Giardina 3-12-1 (CR)-US-NP Giaretta 2-28-22-28-16 (G)-US-	US6931080	09/928628	20030031270	US	16-Aug-05	13-Sep-23	13-Aug-01	And Method
( )	NP Giaretta 4-3-2-29-8-16 (G)-US-	US6690682	09/444780		US	10-Feb-04	22-Nov-19	22-Nov-99	Bit Multiplexing Of Packet-Based Channels
	NP	US6510265	09/552773		US	21-Jan-03	20-Apr-20	20-Apr-00	High-Speed Multi-Mode Fiber-Optic Link
									Optoelectronic Phase-Locked Loop With Balanced
	Giaretta 5-1 (G)-US-NP	US6542723	09/503036		US	1-Apr-03	11-Feb-20	11-Feb-00	Photodetection For Clock Recovery In High-Speed Optical Time Division Multiplexed Systems
Giles 32 (CR)	Giles 32 (CR)-US-NP	US5995255	08/959354		US	30-Nov-99	28-Oct-17	28-Oct-97	Concatenated Fiber Grating Optical Monitor PMD-Reduction Processing For A Multi-Channel
Giles 66-11-1 (RC)	Giles 66-11-1 (RC)-US-NP	US7330663	10/425432	20030223758	US	12-Feb-08	6-Feb-25	29-Apr-03	Receiver Method And Apparatus For Optical Signal
Gill 17-37 (DM)	Gill 17-37 (DM)-US-NP	US7409163	10/881236	20060002714	US	5-Aug-08	18-Mar-26	30-Jun-04	Transmission
		EP1612971	05253819.6	EP1612971	DE	18-Oct-06	21-Jun-25	21-Jun-05	Method And Apparatus For Optical Signal Transmission
Gill 17-37 (DM)	Gill 17-37 (DM)-DE-EPA	LF10125/1	GDE35013.0	LI TOTES/T	DL	10 001 00			
	Gill 17-37 (DM)-DE-EPA Gill 17-37 (DM)-FR-EPA	EP1612971	05253819.6	EP1612971	FR	18-Oct-06	21-Jun-25	21-Jun-05	Method And Apparatus For Optical Signal Transmission

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	F55UE DATE	EXPIRATION DATE	APPLICATION DATE	HILE
Gill 17-37 (DM)	Gill 17-37 (DM)-JP-NP	JP4772397	2005192125	2006020325	JP	1-Jul-11	30-Jun-25	30-Jun-05	Method And Apparatus For Optical Signal Transmission
Gillis 3 (PW)	Gillis 3 (PW)-US-NP	US6405189	09/182493		US	11-Jun-02	30-Oct-18	30-Oct-98	Method And Apparatus For Amplifying Design Information Into Software Products
									Data-Driven Method Simulator And Simulation
Gillis 6 (PW)	Gillis 6 (PW)-US-NP	US7035784	09/667709		US	25-Apr-06	13-Oct-22	22-Sep-00	Process
Gitlin 41-16-1 (RD)	Gitlin 41-16-1 (RD)-KR-NP	KR322327	9849661		KR	15-Jan-02	19-Nov-18	19-Nov-98	Method Of Muting A Non-Speaking Cellular Telephone Caller Participating In A Conference Call
Gitlin 41-16-1 (RD)	Gitlin 41-16-1 (RD)-US-NP	US5995827	08/974951		US	30-Nov-99	20-Nov-17	20-Nov-97	Method Of Muting A Non-Speaking Cellular Telephone Caller Participating In A Conference Call
Gitlin 42-8-3-10 (RD)	Gitlin 42-8-3-10 (RD)-US-NP	US6188718	09/138465		US	13-Feb-01	21-Aug-18	21-Aug-98	Methods And Apparatus For Reducing Cochannel Interference In A Mixed-Rate Communication System
Gitlin 44-12-5-13 (RD)	Gitlin 44-12-5-13 (RD)-US-NP	U56438379	09/322941		US	20-Aug-02	28-May-19	28-May-99	Power Control And Cell Site Location Technique For CDMA Systems With Hierarchical Architecture
Giulianelli 1 (D)	Giulianelli 1 (D)-US-NP	US6636521	09/215241		US	21-Oct-03	18-Dec-18	18-Dec-98	Flexible Runtime Configurable Application Program Interface (API) That is Command Independent And Reusable
Glas 5 (J)	Glas 5 (J)-US-NP	US6546237	09/386587		US	8-Apr-03	31-Aug-19	31-Aug-99	Differential FM Detector For Radio Receivers
Glass 34-11-8-13 (AM)	Glass 34-11-8-13 (AM)-US-NP	US6568219	09/629757		US	27-May-03	31-Jul-20	31-Jul-00	A SRO + BAO + NB205 + Ceram-Glass Electro-Optical Device And Method Of Making Methods And Devices For Improving The
Goeddel 11 (TW)	Goeddel 11 (TW)-US-NP	US6757547	09/565388		US	29-Jun-04	5-May-20	5-May-00	Performance Of Wireless Devices Using Speed And Noise Metrics Methods And Devices For Estimating QAM Symbol
Goeddel 8 (TW)	Goeddel 8 (TW)-US-NP	US6487254	09/306836		US	26-Nov-02	7-May-19	7-May-99	Sequences Over Flat Fading Channels Using Multiple Offset Sequences
Goel 1-1 (VP)	Goel 1-1 (VP)-US-NP	US6359708	08/932679		US	19-Mar-02	18-Sep-17	18-Sep-97	Optical Transmission Line Automatic Power Shut- Down System
Goel 2-1-1-3-1-2 (VP)	Goel 2-1-1-3-1-2 (VP)-US-NP	US6124957	09/023583		US	26-Sep-00	13-Feb-18	13-Feb-98	Optical Signal Translator Unit Quality Of Service Based Path Selection For
Goel 2-3-3-16 (A)	Goel 2-3-3-16 (A)-US-NP	US6661797	09/514725		US	9-Dec-03	28-Feb-20	28-Feb-00	Connection-Oriented Networks
Goetz 7 (H)	Goetz 7 (H)-US-NP	US8373967	11/392459	20070236864	US	12-Feb-13	25-Feb-31	29-Mar-06	High-Speed Differential AC Coupling Device System And Method For Establishing PSTN Calls Via
Goldman 12-4 (SO)	Goldman 12-4 (SO)-US-NP	US8379825	10/867086	20050276409	US	19-Feb-13	13-Nov-27	14-Jun-04	An IP Request
Goldman 15-6 (SO)	Goldman 15-6 (SO)-US-NP	US7894406	10/955089	20060072549	US	22-Feb-11	22-Feb-27	30-Sep-04	System For Routing Remote VOIP Emergency Calls
Goldman 23-4-4-12 (SO)	Goldman 23-4-4-12 (SO)-US-NP	US7552670	11/233198	20070234892	US	30-Jun-09	15-May-26	22-Sep-05	Mobile Forced Premature Detonation Of Improvised Explosive Devices Via Wireless Phone Signaling
Goldman 33-14-14-22 (SO)	Goldman 33-14-14-22 (SO)-US- NP	US7698981	11/317481	20080134868	US	20-Apr-10	7-Aug-26	22-Dec-05	Mobile Forced Premature Detonation Of Improvised Explosive Devices (IED) Via Noise Print Simulation
Goldman 39-20-20-28 (SO)	Goldman 39-20-20-28 (SO)-JP- PCT Goldman 39-20-20-28 (SO)-US-	JP4865857	2009514427	2009540676	JP	18-Nov-11	11-Jun-27	11-Jun-07	AutoDialer Flow Control
Goldman 39-20-20-28 (SO)	NP	US8023634	11/452690	20070291925	US	20-Sep-11	15-Nov-29	14-Jun-06	AutoDialer Flow Control
Goldman 39-20-20-28 (SO)	Goldman 39-20-20-28 (SO)-DE- EPT	EP2055113	07809477.8	EP2055113	DE	16-Sep-15	11-Jun-27	11-Jun-07	AutoDialer Flow Control
Goldman 39-20-20-28 (SO)	Goldman 39-20-20-28 (SO)-FR- EPT	EP2055113	07809477.8	EP2055113	FR	16-Sep-15	11-Jun-27	11-Jun-07	AutoDialer Flow Control
Goldman 39-20-20-28 (SO)	Goldman 39-20-20-28 (SO)-GB- FPT	EP2055113	07809477.8	EP2055113	GB	16-Sep-15	11-Jun-27	11-Jun-07	AutoDialer Flow Control
	Goldman 43-23-23-31 (SO)-US-								
Goldman 43-23-23-31 (SO) Goldman 50-31-6-30-38 (SO)	NP Goldman 50-31-6-30-38 (SO)-US- NP	US8098798	11/822051 11/590464	20090003617	US	17-Jan-12	28-Jun-27 5-Dec-29	28-Jun-07 31-Oct-06	Noise Cancellation For Buildings And/Or Structures  Logging Call Data For Failed Emergency Calls
	Goldman 54-35-34-42 (SO)-US-								
Goldman 54-35-34-42 (SO)	NP Goldman 56-37-36-44 (SO)-US-	US8204208	11/626350	20080192921	US	19-Jun-12	22-Mar-30	23-Jan-07	Priority Telephone Service Reversion And Notification Emergency Call Service With Automatic Third Party
Goldman 56-37-36-44 (SO)	NP Goldman 57-38-37-45 (SO)-US-	US8041017	11/725011	20080226039	US	18-Oct-11	26-Jul-30	16-Mar-07	Notification And/Or Bridging Methods And Apparatus For Measuring Performance
Goldman 57-38-37-45 (SO)	NP	US7716534	11/744549	20080276126	US	11-May-10	29-Jul-28	4-May-07	In Processing System Telecommunication Replay Service Assistance For
Goldman 66-1 (SO)	Goldman 66-1 (SO)-US-NP	US8204179	12/104202	20090262906	US	19-Jun-12	20-Apr-31	16-Apr-08	Incoming Calls
Goldman 75-49 (SO)	Goldman 75-49 (SO)-EP-EPT		10763087.3	EP2484103	EP		22-Sep-30	22-Sep-10	Method and Apparatus For Providing User Status Information When In A Telephone Conference
Golestani 1-44 (J)	Golestani 1-44 (J)-US-NP	US6115749	08/949718		US	5-Sep-00	14-Oct-17	14-Oct-97	System And Method For Using A Window Mechanism To Control Multicast Data Congestion
	479 -2								Scalable Congestion Control Method For Multicast
Golestaní 2 (SJ) Golestaní 3 (SJ)	Golestani 2 (SJ)-US-NP Golestani 3 (SJ)-US-NP	US7102998 US6965943	09/273948 09/327347		US US	5-Sep-06 15-Nov-05	22-Mar-19 5-Jun-19	22-Mar-99 5-Jun-99	Communications Over A DataNetwork End-To-End Internet Control
Gollamudi 14 (S)	Gollamudi 14 (S)-US-NP	US7801087	11/413763	20070253374	US	21-Sep-10	7-Dec-27	27-Apr-06	Method Of Transmitting Control Signals In A Digital Communications System
Gollamudi 3 (S)	Gollamudi 3 (S)-DE-EPA	EP1265376	01309540.1	EP1265376	DE	19-Jan-05	12-Nov-21	12-Nov-01	Method For Multiple Antenna Transmission
Gollamudi 3 (S) Gollamudi 3 (S)	Gollamudi 3 (S)-FR-EPA Gollamudi 3 (S)-GB-EPA	EP1265376 EP1265376	01309540.1 01309540.1	EP1265376 EP1265376	FR GB	19-Jan-05 19-Jan-05	12-Nov-21 12-Nov-21	12-Nov-01 12-Nov-01	Method For Multiple Antenna Transmission  Method For Multiple Antenna Transmission
Gollamudi 3 (S)	Gollamudi 3 (S)-US-NP	US7499499	09/873706	20020186779	US	3-Mar-09	9-May-24	4-Jun-01	Method For Multiple Antenna Transmission
Golowich 8-21 (SE)	Golowich 8-21 (SE)-US-NP	US6501884	09/608364		US	31-Dec-02	30-Jun-20	30-Jun-00	Article Comprising Means For Mode-Selection Launch Into A Multimode Optical Fiber, And Method For A Mode-Selective Launch
Gomez 1-1 (JJB)	Gomez 1-1 (JJB)-US-NP	US6119193	08/961998		US	12-Sep-00	31-Oct-17	31-Oct-97	Arrangement For Controlling Peripheral Component Interconnect (PCI) Units From A Plurality Of Control Processors
	, ,			200201225-					Concurrent In-System Programming Of
Gomez 2 (JJ)	Gomez 2 (JJ)-US-NP	US7127708	10/109083	20030187629	US	24-Oct-06	28-Nov-23	28-Mar-02	Programmable Devices  Methods And Systems For Remotely Controlling A
Gomez 3 (JJ)	Gonzalez 6-5-4 / IGN-US-NP	US7017081	10/259111	20040064764	US	21-Mar-06	13-Apr-24	27-Sep-02	Test Access Port Of A Target Device  Method And System For Processing A Signal
Gonzalez 6-5-4 (JG) Goodrich 8 (RR)	Gonzalez 6-5-4 (JG)-US-NP Goodrich 8 (RR)-US-NP	US7120210 US5906260	10/155377 08/888227		US	10-Oct-06 25-May-99	23-Sep-24 3-Jul-17	24-May-02 3-Jul-97	Method And System For Processing A Signal Anti-fraud Coin Chute Device

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Care Reference	Grant Number	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	TITLE
Goossen 73 (KW)	Goossen 73 (KW)-US-NP	US6337753	09/217710		US	8-Jan-02	21-Dec-18	21-Dec-98	Optical Power Equalizer
Goossen 77 (KW)	Goossen 77 (KW)-US-NP	US6434726	09/342809		US	13-Aug-02	29-Jun-19	29-Jun-99	System And Method Of Transmission Using Coplanar Bond Wires
	Gopalakrishnan 16-10-3 (N)-US-								High Speed Dedicated Physical Control Channel For Use In Wireless Data Transmissions From Mobile
Gopalakrishnan 16-10-3 (N) Gopalakrishnan 5-3-5-6-14-	NP Gopalakrishnan 5-3-5-6-14-9 (N)-	US7333457	10/289100	20040085936	US	19-Feb-08	9-Sep-25	6-Nov-02	Devices
9 (N)	US-NP	US7006464	09/716105		US	28-Feb-06	26-Dec-22	17-Nov-00	Downlink And Uplink Channel Structures For Downlink Shared Channel System
Gordon 3-4-3 (M)	Gordon 3-4-3 (M)-DE-EPA	EP0822726	97305461.2	EP0822726	DE	22-Dec-04	22-Jul-17	22-Jul-97	Subscriber Authentication For Radio Local Loop System
Gordon 3-4-3 (M)	Gordon 3-4-3 (M)-FI-EPA	EP0822726	97305461.2	EP0822726	FI	22-Dec-04	22-Jul-17	22-Jul-97	Subscriber Authentication For Radio Local Loop System
Gordon 3-4-3 (M)	Gordon 3-4-3 (M)-FR-EPA	EP0822726	97305461.2	EP0822726	FR	22-Dec-04	22-Jul-17	22-Jul-97	Subscriber Authentication For Radio Local Loop System
Gordon 3-4-3 (M)	Gordon 3-4-3 (M)-IT-EPA	EP0822726	97305461.2	EP0822726	п	22-Dec-04	22-Jul-17	22-Jul-97	Subscriber Authentication For Radio Local Loop System
Gordon 3-4-3 (M)	Gordon 3-4-3 (M)-NL-EPA	EP0822726	97305461.2	EP0822726	NL	22-Dec-04	22-Jul-17	22-Jul-97	Subscriber Authentication For Radio Local Loop System
Gordon 3-4-3 (M)	Gordon 3-4-3 (M)-SE-EPA	EP0822726	97305461.2	EP0822726	SE	22-Dec-04	22-Jul-17	22-Jul-97	Subscriber Authentication For Radio Local Loop System
Gordon 3-4-3 (M)	Gordon 3-4-3 (M)-KR-NP	KR603154	9737431		KR	13-Jul-06	31-Jul-17	31-Jul-97	Subscriber Authentication For Radio Local Loop System
00(00)13 + 3 (N)	00100113 + 3 (N) KK N	111003134	3737431		KIK	1330100	3130/17	31-301-37	
									Using Internet And Internet Protocols To Bypass PSTN, GSM Map, And ANSI-41 Networks For Wireless
Gorrepati 5-8 (PB)	Gorrepati 5-8 (PB)-US-NP	US6603761	09/479860		US	5-Aug-03	7-Jan-20	7-Jan-00	Telephone Call Delivery
Gottfried 3-6-1 (NL)	Gottfried 3-6-1 (NL)-US-NP	US6008715	09/215724		US	28-Dec-99	18-Dec-18	18-Dec-98	Electro-Static Discharge (ESD) Hardened Fuse
Goyal 1-9 (VK)	Arean 1-2-10 (R)-US-CIP	US6253185	09/190908		US	26-Jun-01	25-Feb-18	12-Nov-98	Multiple Description Transform Coding Of Audio Using Optimal Transforms Of Arbitrary Dimension
									Method Description For Transform Coding Using
Goyal 1-9 (VK)	Goyal 1-9 (VK)-US-NP	US6345125 ZL201080010623	09/030488	20010016079	US	5-Feb-02	25-Feb-18	25-Feb-98	Optimal Transforms Of Arbitrary Dimension
Goyal 19-7-15 (S)	Goyal 19-7-15 (S)-CN-PCT	.7	201080010623.7	102341718	CN	20-May-15	3-Mar-30	3-Mar-10	Test Instruction Set Architecture
Goyal 19-7-15 (S)	Goyal 19-7-15 (S)-DE-EPT	EP2404182	10708456.8	EP2404182	DE	21-May-14	3-Mar-30	3-Mar-10	Test Instruction Set Architecture
Goyal 19-7-15 (S)	Goyal 19-7-15 (S)-FR-EPT	EP2404182	10708456.8	EP2404182	FR	21-May-14	3-Mar-30	3-Mar-10	Test Instruction Set Architecture
Goyal 19-7-15 (S)	Goyal 19-7-15 (S)-GB-EPT	EP2404182	10708456.8	EP2404182	GB	21-May-14	3-Mar-30	3-Mar-10	Test Instruction Set Architecture
Goyal 19-7-15 (S)	Goyal 19-7-15 (S)-IN-PCT		6391/CHENP/2011	6391/CHENP/2011	IN		3-Mar-30	3-Mar-10	Test Instruction Set Architecture
Goyal 19-7-15 (S)	Goyal 19-7-15 (S)-JP-PCT	JP5489249	2011553067	2012519912	JP	7-Mar-14	3-Mar-30	3-Mar-10	Test Instruction Set Architecture
Goyal 19-7-15 (S)	Goyal 19-7-15 (S)-KR-PCT	KR101489550	20117020633		KR	28-Jan-15	3-Mar-30	3-Mar-10	Test Instruction Set Architecture
Goyal 19-7-15 (S)	Goyal 19-7-15 (S)-US-NP	US8533545	12/495237	20100229036	US	10-Sep-13	15-Jun-31	30-Jun-09	Method And Apparatus For System Testing Using Multipe Instruction Types
		ZL201080010624							Method And Apparatus For System Testing Using Multipe Instruction Types
Goyal 19-7-15 (S)[2]	Goyal 19-7-15 (S)[2]-CN-PCT	.1	201080010624.1	CN102439470A	CN	16-Jul-14	3-Mar-30	3-Mar-10	Method And Apparatus For System Testing Using
Goyal 19-7-15 (S)[2]	Goyal 19-7-15 (S)[2]-DE-EPT	EP2404183	10710945.6	EP2404183	DE	13-Aug-14	3-Mar-30	3-Mar-10	Multipe Processors  Method And Apparatus For System Testing Using
Goyal 19-7-15 (S)[2]	Goyal 19-7-15 (S)[2]-FR-EPT	EP2404183	10710945.6	EP2404183	FR	13-Aug-14	3-Mar-30	3-Mar-10	Multipe Processors  Method And Apparatus For System Testing Using
Goyal 19-7-15 (S)[2]	Goyal 19-7-15 (S)[2]-GB-EPT	EP2404183	10710945.6	EP2404183	GB	13-Aug-14	3-Mar-30	3-Mar-10	Multipe Processors
0 140 7 45 (0)(0)	0 140 7 45 (010) 111 007		cano foursin faces	5000 (GU 5410 (0044			2.1. 20	2.1. 40	Method And Apparatus For System Testing Using Multipe Instruction Types
Goyal 19-7-15 (S)[2]	Goyal 19-7-15 (S)[2]-IN-PCT		6390/CHENP/2011	6390/CHENP/2011	IN		3-Mar-30	3-Mar-10	Method And Apparatus For System Testing Using
Goyal 19-7-15 (S)[2]	Goyal 19-7-15 (S)[2]-JP-PCT	JP5683502	2011553072	2012519853	JP	23-Jan-15	3-Mar-30	3-Mar-10	Multipe Instruction Types
									Method And Apparatus For System Testing Using Multipe Instruction Types
Goyal 19-7-15 (S)[2]	Goyal 19-7-15 (S)[2]-KR-PCT	KR101329465	20117023268		KR	7-Nov-13	3-Mar-30	3-Mar-10	Method And Apparatus For System Testing Using
Goyal 19-7-15 (S)[2]	Goyal 19-7-15 (S)-US-NP[2]	US8677198 ZL201080010625	12/495295	20100229042	US	18-Mar-14	27-Nov-30	30-Jun-09	Multiple Processors  Method And Apparatus For System Testing Using
Goyal 19-7-15 (S)[3]	Goyal 19-7-15 (S)[3]-CN-PCT	.6	201080010625.6	102341719	CN	1-Apr-15	3-Mar-30	3-Mar-10	Multipe Instruction Types VERFAHREN UND VORRICHTUNG ZUR
Goyal 19-7-15 (S)[3]	Goyal 19-7-15 (S)[3]-DE-EPT	EP2404184	10717905.3	EP2404184	DE	2-Oct-13	3-Mar-30	3-Mar-10	SYSTEMPRÜFUNG UNTER VERWENDUNG VON SCAN- KETTEN-ZERLEGUNG
30ya: 15-7-13 (3)[3]	maker and an and an and an an and an	2-0-110-4		2707107	DL.	2 00013	5 IVIGI230	3 (Wal-10	PROCÉDÉ ET APPAREIL POUR TESTER UN SYSTÈME À
Goyal 19-7-15 (S)[3]	Goyal 19-7-15 (S)[3]-FR-EPT	EP2404184	10717905.3	EP2404184	FR	2-Oct-13	3-Mar-30	3-Mar-10	L'AIDE D'UNE DÉCOMPOSITION DE CHAÎNE DE TEST
Goyal 19-7-15 (S)[3]	Goyal 19-7-15 (S)[3]-GB-EPT	EP2404184	10717905.3	EP2404184	GB	2-Oct-13	3-Mar-30	3-Mar-10	METHOD AND APPARATUS FOR SYSTEM TESTING USING SCAN CHAIN DECOMPOSITION
Goyal 19-7-15 (S)[3]	Goyal 19-7-15 (S)[3]-JP-PCT	JP5684739	2011553080	2012519854	JP	23-Jan-15	3-Mar-30	3-Mar-10	Method And Apparatus For System Testing Using Multipe Instruction Types
Goyal 19-7-15 (S)[3]	Goyal 19-7-15 (S)[3]-KR-PCD	KR101533170	20137015909		KR	25-Jun-15	3-Mar-30	3-Mar-10	Method And Apparatus For System Testing Using Multipe Instruction Types
									Multiple Description Transform Coding Of Images
Goyal 3-11-1 (VK)	Goyal 3-11-1 (VK)-US-NP	US6330370	09/163655	20010016080	US	11-Dec-01	30-Sep-18	30-Sep-98	Using Optimal Transforms OfArbitrary Dimension Method And Apparatus For Reduced Complexity
Goyal 4 (VK)	Goyal 4 (VK)-US-NP	US6198412	09/234562		US	6-Mar-01	20-Jan-19	20-Jan-99	Entropy Coding Method And Apparatus For Adaptive Signal
Goyal 5 (VK)	Goyal 5 (VK)-US-NP	US6993477	09/590251		US	31-Jan-06	10-Oct-23	8-Jun-00	Processing Involving A Karhunen-Loeve Basis
Count C 4 45 hard	Count of 1 15 have us	HEEED ACCO	on/e2222			15 1	22 14 22	22 14 00	Methods And Apparatus For Lattice-Structured
Goyal 6-1-15 (VK)	Goyal 6-1-15 (VK)-US-NP	US6594627	09/533232		US	15-Jul-03	23-Mar-20	23-Mar-00	Multiple Description Vector Quantization Coding Surface Acoustic Wave Devices Comprising Large-
		US6222299	09/020752		US	24-Apr-01	9-Feb-18	9-Feb-98	Grained Diamonds
Graebner 18 (JE)	Graebner 18 (JE)-US-NP	US6052497	09/083415		US	18-Apr-00	22-May-18	22-May-98	System Comprising Acousto-Optic Tunable Filter Fibers With Polymeric Coatings And Methods Of
Granstrom 1-54 (J)	Granstrom 1-54 (J)-US-NP	US7385220	10/822510	20050227059	US	10-Jun-08	13-May-26	12-Apr-04	Making The Same

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	CASE REFERENCE	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPURATION DATE	APPLICATION DATE	111LE
									Voicemail System Component Employment of Internet Protocol Network To Store Or Access One Or More Voicemail Messages On One Or More Storage
Green 1-1-1-2-32 (ML)	Green 1-1-1-2-32 (ML)-US-NP	US7079630	10/099874		US	18-Jul-06	15-Mar-22	15-Mar-02	Devices
Greene 1 (MR)	Greene 1 (MR)-JP-NP	JP3268254	107775	ED0054503	JP	11-Jan-02	19-Jan-18	19-Jan-98	Portable Device Battery Technique
Greene 1 (MR) Greene 1 (MR)	Greene 1 (MR)-DE-EPA Greene 1 (MR)-FR-EPA	EP0854583 EP0854583	98300055.5 98300055.5	EP0854583 EP0854583	DE FR	29-Mar-00 29-Mar-00	6-Jan-18 6-Jan-18	6-Jan-98 6-Jan-98	Portable Device Battery Technique Portable Device Battery Technique
2.22.02 ()									Method For Providing On-Screen Notification Of Non-
Gregory 2-2-2 (C)	Gregory 2-2-2 (C)-US-NP	US6300966	09/211892		US	9-Oct-01	15-Dec-18	15-Dec-98	Visible Alarmed Network Elements
Greywall 30-8 (DS)	Greywall 30-8 (DS)-US-NP	US6980339	10/741491	20050134955	US	27-Dec-05	19-Dec-23	19-Dec-03	Deformable MEMS Mirror
Greywall 36 (DS)	Greywall 36 (DS)-US-NP	US7218193	10/919134	20060033598	US	15-May-07	16-Aug-24	16-Aug-04	MEMS-Based Inertial Switch
Greywall 46-19 (DS)	Greywall 46-19 (DS)-US-NP	US7403322	11/225777	20070058899	US	22-Jul-08	28-Sep-25	13-Sep-05	MEMS-Based Alignment Of Optical Components Spot Array Generation Using A MEMS Light
Greywall 51-29 (DS) Greywall 52 (DS)	Greywall 51-29 (DS)-US-NP Greywall 52 (DS)-US-NP	US7468828 US7485870	11/550867 11/531011	20080094682 20080272306	US US	23-Dec-08 3-Feb-09	21-Dec-26 29-Nov-26	19-Oct-06 12-Sep-06	Modulator Pneumatic Infrared Detector
Griffin 4-2-1-4-1 (TG)	Griffin 4-2-1-4-1 (TG)-US-NP	US6006216	08/902447		US	21-Dec-99	29-Jul-17	29-Jul-97	Data Architecture For Fetch-Intensive Database Applications
Grimbergen 1 (SP)	Grimbergen 1 (SP)-US-NP	US7164688	10/113753	20020163939	US	16-Jan-07	17-Mar-25	1-Apr-02	Transporting A Gigabit Per Second Data Stream Over A SDH/Sonet Network
				20020103939					
Grimes 86-41-26 (GJ)	Grimes 86-41-26 (GJ)-US-NP	US6402393	09/515998		US	11-Jun-02	29-Feb-20	29-Feb-00	Interconnection System For Optical Circuit Boards METHOD OF SUPPORTING QUALITY-OF-SERVICE APPLICATION SESSION CONTINUITY DURING INTER-
Grinshpun 3-35-11-3-33 (E)	Grinshpun 3-35-11-3-33 (E)-US- NP	US7920523	11/970169	20090175239	US	5-Apr-11	31-Dec-29	7-Jan-08	TECHNOLOGY HANDOVER USING A COMMON PACKET DATA FUNCTION
Gripp 2-35 (J)	Gripp 2-35 (J)-US-NP	US7171117	09/648822		US	30-Jan-07	7-Feb-24	25-Aug-00	Optical Router
Gripp 2-35 (J) Gronbach 6 (S)	Gripp 2-35 (J)-CA-NP Gronbach 6 (S)-US-NP	CA2352379 US7706696	2352379 11/437907	20070269222	CA US	6-May-08 27-Apr-10	4-Jul-21 25-Feb-29	4-Jul-01 19-May-06	Optical Router Pilot Tone Bias Control
Gronbach o (3)	Gronbach o (5)-05-NF	037700090	11/45/50/	20070209222	03	27-Api-10	23-160-25	15-Way-00	Methods And Apparatus For Overriding Denunciations Of Unwanted Traffic In One Or More
Grosse 18-19 (EH)	Grosse 18-19 (EH)-IN-PCT		2437/CHENP/2009	2437/CHENP/2009	IN		23-Oct-27	23-Oct-07	Packet Networks
Grover 1 (LK)	Grover 1 (LK)-US-NP	US6317766	09/184540		US	13-Nov-01	2-Nov-18	2-Nov-98	Fast Wuantum Mechanical Algorithms
Groves 1-4-1 (EJ)	Groves 1-4-1 (EJ)-US-NP	US6292372	09/353386		US	18-Sep-01	15-Jul-19	15-Jul-99	Solder Thieving Pad For Wave Soldered Through-Hole Components
Grubb 10-13-56 (SG)	Grubb 10-13-56 (SG)-US-NP	US5933438	08/910948		US	3-Aug-99	8-Aug-17	8-Aug-97	Multiple Fiber Laser Pump Sources Multiple Handset Cordless Telephone Including A
Grundvig 14-5 (JP)	Grundvig 14-5 (JP)-US-NP	US6434394	09/165157		US	13-Aug-02	2-Oct-18	2-Oct-98	Ring Signal/Call Routing Module
Gu 1 (GZ)	Gu 1 (GZ)-US-NP	US6992984	09/520677		US	31-Jan-06	7-Mar-20	7-Mar-00	Credit-Based Adaptive Flow Control For Multi-Stage Multi-Dimensional Switching Architecture
Guethaus 3-16-17 (RJ)	Guethaus 3-16-17 (RJ)-IN-PCT	IN279283	3735/CHENP/2008	3735/CHENP/2008	IN	17-Jan-17	26-Jan-27	26-Jan-07	Method Of Managing Use Of Channelization Codes During Soft Handoff
Guethaus 3-16-17 (RJ)	Guethaus 3-16-17 (RI)-CN-PCT	ZL200780003314 .5	200780003314.5	101375564	CN	23-May-12	26-Jan-27	26-Jan-07	Method Of Managing Use Of Channelization Codes During Soft Handoff
Guethaus 3-16-17 (RJ)	Guethaus 3-16-17 (RJ)-DE-EPT	EP1977573	07762913.7	EP1977573	DE	2-Jun-10	26-Jan-27	26-Jan-07	Method Of Managing Use Of Channelization Codes During Soft Handoff
Guethaus 3-16-17 (RJ)	Guethaus 3-16-17 (RI)-FR-EPT	EP1977573	07762913.7	EP1977573	FR	2-Jun-10	26-Jan-27	26-Jan-07	Method Of Managing Use Of Channelization Codes During Soft Handoff
Guethaus 3-16-17 (RJ)	Guethaus 3-16-17 (RI)-GB-EPT	EP1977573	07762913.7	EP1977573	GB	2-Jun-10	26-Jan-27	26-Jan-07	Method Of Managing Use Of Channelization Codes During Soft Handoff
Guethaus 3-16-17 (RJ)	Guethaus 3-16-17 (RJ)-KR-PCT	KR101358882	20087018066	20080096516	KR	28-Jan-14	26-Jan-27	26-Jan-07	Method Of Managing Use Of Channelization Codes During Soft Handoff Method Of Managing Use Of Channelization Codes
Guethaus 3-16-17 (RJ)	Guethaus 3-16-17 (RI)-US-NP	US7689222	11/340527	20070178902	US	30-Mar-10	24-Jan-29	27-Jan-06	During Soft Handoff Method For Recovering Emergency Calls At An
Guevara 1-1 (JM)	Guevara 1-1 (JM)-US-NP	US6519324	09/548548		US	11-Feb-03	13-Apr-20	13-Apr-00	Operator Position During A Position Failure
Guinn 2-34-43 (KV)	Guinn 2-34-43 (KV)-US-NP	US6232923	09/467664		US	15-May-01	11-Nov-19	11-Nov-99	Patch Antenna Construction
Gupta 10-3-3 (SK)	Gupta 13-5-5 (SK)-US-CIP	US7302389	10/637235	20040230430	US	27-Nov-07	21-Nov-25	8-Aug-03	Automatic Assessment Of Phonological Processes Method And Apparatus For Routing A Packet Within
Gupta 1-3-46 (A)	Gupta 1-3-46 (A)-US-NP	US7542470	10/404010	20040190517	US	2-Jun-09	30-Apr-26	31-Mar-03	A Plurality Of Nodes Arranged In A Line Or A Tree Given A Maximum Stack Depth
Gupta 4-11 (P)	Gupta 4-11 (P)-US-NP	US9131371	11/241684	20070076631	US	8-Sep-15	1-Feb-32	30-Sep-05	Method And Apparatus For Managing A Random Access Communication System
Gupta 8-1-4 (SK)	Gupta 8-1-4 (SK)-US-NP	US7219059	10/188539	20040006468	US	15-May-07	17-Aug-24	3-Jul-02	Automatic Pronunciation Scoring for Language Learning
									Method And Apparatus For Performing Link Defragmentation Subject To An Interface Rate
Gupta 9-10 (B)  Gupta 9-2-2-19-1-2 (SK)	Gupta 9-10 (B)-US-NP Gupta 9-2-2-19-1-2 (SK)-US-NP	US7397815 US7299188	11/044974	20060165122	US	8-Jul-08 20-Nov-07	17-Nov-26 21-Mar-25	27-Jan-05 10-Feb-03	Constraint  Method And Apparatus For Providing An Interactive Language Tutor
Haalen 3-11 (Rv)	Haalen 3-11 (Rv)-US-NP	US8953499	11/126504	20060268747	US	10-Feb-15	31-Dec-30	11-May-05	Method And Apparatus For Establishing Spanning Trees
Haalen 9-16 (Rv)	Haalen 9-16 (Rv)-US-NP	US7539133	11/387321	20070223372	US	26-May-09	14-Nov-27	23-Mar-06	Method And Apparatus For Preventing Congestion In Load-Balancing Networks
Habegger 1-1-1-1-8 (KL)	Habegger 1-1-1-1-8 (KL)-US- NP	US6026076	08/920993		US	15-Feb-00	29-Aug-17	29-Aug-97	Detecting Digital Multiplexer Faults
Hagirahim 10 (H)	Hagirahim 10 (H)-US-NP	US7006490	09/827847	20020145998	US	28-Feb-06	11-Sep-23	6-Apr-01	Method And Apparatus For Providing Efficient Circuit Switch-To-Switch Communication
Hagirahim 8-7 (H)	Hagirahim 8-7 (H)-US-NP	US7330460	09/659650		US	12-Feb-08	22-Sep-24	12-Sep-00	Method And Apparatus For Providing Efficient VolP Gateway-To-Gateway Communication
Hahm 1 (MD)	Hahm 1 (MD)-DE-EPA	EP0977355	99305709.0	EP0977355	DE	21-Sep-05	20-Jul-19	20-Jul-99	Device And Method for Limiting Peaks Of A Signal
Hanm 1 (MD) Hahm 1 (MD)	Hahm 1 (MD)-DE-EPA	EP0977355	99305709.0	EP0977355			20-Jul-19 20-Jul-19	20-Jul-99 20-Jul-99	
Hanm 1 (MD) Hahm 1 (MD)	Hahm 1 (MD)-FR-EPA Hahm 1 (MD)-GB-EPA	EP0977355	99305709.0	EP0977355	FR GB	21-Sep-05 21-Sep-05	20-Jul-19 20-Jul-19	20-Jul-99 20-Jul-99	Device And Method for Limiting Peaks Of A Signal  Device And Method for Limiting Peaks Of A Signal
Hahm 1 (MD)	Hahm 1 (MD)-JP-NP	JP3484375	216067/1999	2000216654	JP	17-Oct-03	30-Jul-19	30-Jul-99	Device And Method for Limiting Peaks Of A Signal
Hahm 1 (MD)	Hahm 1 (MD)-US-NP	US6356606	09/126743		US	12-Mar-02	31-Jul-18	31-Jul-98	Device And Method for Limiting Peaks Of A Signal
Hahm 1 (MD) Hahm 5 (MD)	Hahm 5 (MD)-US-NP	US6311202	09/267451		US	30-Oct-01	12-Mar-19	12-Mar-99	Hardware Efficient Fast Hadamard Transform Engine
									Border Gateway Reservation Protocol For Tree-Based
Hahne 9-1-5 (EL)	Hahne 9-1-5 (EL)-US-NP	US6538416	09/418702		US	25-Mar-03	15-Oct-19	15-Oct-99	Aggregation Of Inter-Domain Reservations

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

	Case Reference	Grant Number	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	TITLE
Haimi-Cohen 11 (R)	Haimi-Cohen 11 (R)-US-NP	US6374221	09/337229		US	16-Apr-02	22-Jun-19	22-Jun-99	Automatic Retaining Of Speech Recognizer While Using Reliable Transcripts
Haimi-Cohen 12 (R)	Haimi-Cohen 12 (R)-US-NP	US6233320	09/337777		US	15-May-01	22-Jun-18	22-Jun- <del>9</del> 8	Method And Apparatus For Recording And Playing Back A Conversation Using A Digital Wireless Phone
	Haimi-Cohen 13-1 (R)-US-NP	US6711259	09/444638		US	23-Mar-04	22-Nov-19	22-Nov-99	Method And Apparatus For Noise Suppression And Side-Tone Generation
naimi-conen 15-1 (k)	naimi-conen 15-1 (K)-U5-NP	036/11239	05/444636		US	23-Wal-04	22-1100-19	22-1100-55	Wireless Terminal And Wireless Telecommunications
Haimi-Cohen 6 (R)	Haimi-Cohen 6 (R)-US-NP	US5983093	08/906817		US	9-Nov-99	6-Aug-17	6-Aug-97	System Adapted To PreventThe Theft Of Wireless Service Methods And Apparatus For Digital Wireless Test
	Haimi-Cohen 7 (R)-US-NP Hakim 5-1 (SJ)-US-NP	US6545616 US6614780	09/334017 09/002481		US US	8-Apr-03 2-Sep-03	15-Jun-19 2-Jan-18	15-Jun-99 2-Jan-98	Telephony Internet Calling Apparatus And Method
									Wave Division Multiplexing Channel Telemetry By
	Hakki 17-3 (BW)-US-NP Hakki 19 (BW)-US-NP	US6549311 US6631003	09/353716 09/436766		US US	15-Apr-03 7-Oct-03	14-Jul-19 9-Nov-19	14-Jul-99 9-Nov-99	Phase Modulation Uncorrelated Michelson Interferometer
									Method And Apparatus For Conducting Subscriber's
Halcomb 2-7-3-2 (HW)	Halcomb 2-7-3-2 (HW)-US-NP	US7039685	09/862140	20020174210	US	2-May-06	14-Feb-23	21-May-01	Phone Testing Remotely Via The Internet
	Halcomb 3-8 (HW)-US-NP Hampel 14-33-42-14 (KG)-US-	US7072824	09/851898	20020170030	US	4-Jul-06	18-Mar-24	9-May-01	Method And Apparatus For Emulating A Processor
Hampel 8-30-39-11 (KG)	DIV	US6350335	09/694388		US	26-Feb-02	16-Feb-19	23-Oct-00	Microstrip Phase Shifters Lockable Latch And Switch Actuator Assembly for A
	Hanas 2-7 (C)-US-NP Hansen 11 (PB)-US-NP	US6266248 US6034799	09/436852 08/884690		US US	24-Jul-01 7-Mar-00	9-Nov-19 30-Jun-17	9-Nov-99 30-Jun-97	Circuit Card Tuning Source For Lightwave Systems
Hansen 14-2 (PB)	Hansen 14-2 (PB)-US-NP	US6078418	08/909978		US	20-Jun-00	12-Aug-17	12-Aug-97	Wavelength Locking Of Variable Dispersive Elements
									Optical Disfferential Phase Shift Keying Transmission System Having Multiplexing, Routing And
Hansen 16-4 (PB)	Hansen 16-4 (PB)-US-NP	US6271950	09/136434		US	7-Aug-01	18-Aug-18	18-Aug-98	Add/Replace Capabilities
Hansen 17-5-12 (PB)	Hansen 17-5-12 (PB)-US-NP	US6304368	09/231279		US	16-Oct-01	15-Jan-19	15-Jan-99	Broadband Optical Amplification System
Hansen 2-1-2-14 (MH)	Hansen 2-1-2-14 (MH)-US-NP	US6424745	09/081469		US	23-Jul-02	19-May-18	19-May-98	Method And Apparatus For Object Recognition Method, Apparatus And System For Improved Inter-
	Hao 1-2-4 (F)-US-NP Hao 17-59-60 (F)-US-NP	US7693069 US8054760	10/629375	20050025118 20110044201	US US	6-Apr-10	18-Sep-26	28-Jul-03	Domain Routing Convergence
			12/543529	20110044201		8-Nov-11	19-Nov-29	19-Aug-09	Line-Rate, Real-Time-Traffic Detector Testing Of Network Routers Under Given Routing
	Hao 1-8-1-1 (R)-US-NP	US6728214	09/614434		US	27-Apr-04	12-Jul-20	12-Jul-00	Protocols  Method And Apparatus For Coincidence Counting For
Hao 7-42-47-2 (F)	Hao 7-42-47-2 (F)-US-NP	US7957272	11/372895	20070211635	US	7-Jun-11	11-Jun-28	10-Mar-06	Estimating Flow Statistics
	Harby 6-14-2-2-2 (RS)-US-NP	US8305881	10/919618	20060039278	US	6-Nov-12	15-Sep-29	17-Aug-04	Method And System For Maximizing Wavelength Reuse In Optically Protected WDM Networks
Hardin 7-22 (RH)	Hardin 7-22 (RH)-US-NP	US6099575	09/102850		US	8-Aug-00	23-Jun-18	23-Jun-98	Constraint Validity Checking
Harrison 1 (MJ)	Harrison 1 (MJ)-US-NP	US6421071	09/329235		US	16-Jul-02	10-Jun-19	10-Jun-99	Synchronous Scrolling Of Time Stamped Log Files
Harrison 2 (MJ)	Harrison 2 (MJ)-US-NP	US6434502	09/329689		US	13-Aug-02	10-Jun-19	10-Jun-99	Automatic Updating Of Test Management System With Test Results Entered Into An Electronic Logbook
Harsanyi 2 (SR)	Harsanyi 2 (SR)-US-NP	US6266326	09/055471		US	24-Jul-01	6-Apr-18	6-Apr-98	Apparatus For Loop Testing In A Communication System
Harshavardhana 15 (P)	Harshavardhana 15 (P)-US-NP	US6463033	09/072368		US	8-Oct-02	4-May-18	4-May-98	Dual Hubbed Architecture For A Communication Network
	Harshavardhana 16-2-9 (P)-US- NP	US6327361	09/114645		US	4-Dec-01	13-Jul-18	13-Jul-98	Multivariate Rate-based Overload Control For Multiple-Class Communications Traffic
	Harshavardhana 20-1-1-1-8-1 (P)- US-NP	US7426179	09/528762		US	16-Sep-08	17-Mar-20	17-Mar-00	Method And Apparatus For Signaling Path Restoration Information In A Mesh Network
									Protection Scheme For Single Fiber Bidirectional Passive Optical Point-To-Multipoint Network
Harstead 3-1 (EE)	Harstead 3-1 (EE)-US-NP	US6327400	09/412524		US	4-Dec-01	5-Oct-19	5-Oct-99	Architectures Method And Apparatus For Performing Rapid
Hartung 18 (J)	Hartung 18 (J)-US-NP	US6477555	09/349263		US	5-Nov-02	7-Jul-19	7-Jul-99	Convolution  Method and Apparatus for Receiving Wireless
Hassibi 1 (B)	Hassibi 1 (B)-US-NP	US6600796	09/438900		US	29-Jul-03	12-Nov-19	12-Nov-99	Transmissions Using Multiple-Antenna Arrays Method Of Wireless Communication Using Unitary
Hassibi 2-7-1-11 (B)	Hassibi 2-7-1-11 (B)-DE-EPA	EP1133097	00310080.7	EP1133097	DE	26-Mar-03	13-Nov-20	13-Nov-00	Space-Time Signal Constellations  Method Of Wireless Communication Using Unitary
Hassibi 2-7-1-11 (B)	Hassibi 2-7-1-11 (B)-FR-EPA	EP1133097	00310080.7	EP1133097	FR	26-Mar-03	13-Nov-20	13-Nov-00	Space-Time Signal Constellations Method Of Wireless Communication Using Unitary
Hassibi 2-7-1-11 (B)	Hassibi 2-7-1-11 (B)-GB-EPA	EP1133097	00310080.7	EP1133097	GB	26-Mar-03	13-Nov-20	13-Nov-00	Space-Time Signal Constellations  Method Of Wireless Communication Using Unitary
Hassibi 2-7-1-11 (B)	Hassibi 2-7-1-11 (B)-US-NP	US6801579	09/643459		US	5-Oct-04	22-Aug-20	22-Aug-00	Space-Time Signal Constellations
Hassibi 3-8-8 (B)	Hassibi 3-8-8 (B)-US-NP	US6693976	09/528973		US	17-Feb-04	21-Mar-20	21-Mar-00	Method Of Wireless Communication Using Structured Unitary Space-Time Signal Constellations
1, /	Hassibi 4-9 (B)-US-NP			20020044611					Method Of Multiple-Antenna Wireless
	, ,	US6944236 US6888470	09/902847	20040061618	US	13-Sep-05	5-Oct-23	11-Jul-01	Communication Using Space-Time Codes  Sensing Of Mirror Position In An Optical Switch
	Haueis 1 (M)-US-NP He 1-6 (L)-US-NP	US6178159	10/261085 09/033030	20040061618	US	3-May-05 23-Jan-01	30-Sep-22 2-Mar-18	30-Sep-02 2-Mar-98	Available Bit Rate Flow Control Algorithms For ATM Networks
				20040056705					Connection Admission Control And Routing By
	He 5-9 (L)-US-CNT	US7092395	10/668539	20040066785	US	15-Aug-06	22-Apr-19	23-Sep-03	Allocating Resources In Network Nodes  Push Out Technique For Shared Memory Buffer
He 3 (L)	He 3 (L)-US-NP	US6704316	09/124278		US	9-Mar-04	26-Sep-20	29-Jul-98	Management In A Network Node Unified Messaging Server And Method Bridges
Heck 4-1 (JF)	Heck 4-1 (JF)-DE-EPA	EP1519526	04255474.1	EP1519526	DE	24-May-06	9-Sep-24	9-Sep-04	Multimedia Messaging Service Functions With Legacy Handsets
									Unified Messaging Server And Method Bridges Multimedia Messaging Service Functions With Legacy
Heck 4-1 (JF)	Heck 4-1 (JF)-FR-EPA	EP1519526	04255474.1	EP1519526	FR	24-May-06	9-Sep-24	9-Sep-04	Handsets Unified Messaging Server And Method Bridges
Heck 4-1 (JF)	Heck 4-1 (JF)-GB-EPA	EP1519526	04255474.1	EP1519526	GB	24-May-06	9-Sep-24	9-Sep-04	Multimedia Messaging Service Functions With Legacy Handsets
Heer 10 (AJ)	Heer 10 (AJ)-US-NP	US7746784	11/387165	20070223377	US	29-Jun-10	6-Sep-28	23-Mar-06	Method And Apparatus For Improving Traffic Distribution in Load-Balancing Networks
Heer 15 (DN)	Heer 15 (DN)-US-NP	US6341328	09/295010		US	22-Jan-02	20-Apr-19	20-Apr-99	Method and Apparatus for Using Multiple, Co- Dependent DMA Controllers

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION	APPLICATION	TITLE
Hempel 1-18-7 (T)	Hempel 1-18-7 (T)-US-NP	US7443819	11/087151	20060215625	US	28-Oct-08	28-Apr-26	23-Mar-05	Managing Scrambling Codes During Serving Radio Network Subsystem Relocation
		US9094411			US	28-Jul-15			Mechanism To Resume Filter Criteria At Specific Point
Henrikson 13-3 (EH) Hernandez 1 (G)	Henrikson 13-3 (EH)-US-NP Hernandez 1 (G)-US-NP	US6545690	12/148100 09/407876	20090262920	US	8-Apr-03	7-Sep-32 29-Sep-19	16-Apr-08 29-Sep-99	Liaison Interface
Hernandez 2 (G) Hernandez 3 (G)	Hernandez 2 (G)-US-NP Hernandez 3 (G)-US-NP	US6658646 US6651241	09/407890 09/407885		US US	2-Dec-03 18-Nov-03	29-Sep-19 29-Sep-19	29-Sep-99 29-Sep-99	Multiple Interface Scripting Language Scriptor And Interpreter
Hernandez 3 (G)	Hernandez 6 (G)-US-CIP	US7343586	09/722576		US	11-Mar-08	31-May-21	28-Nov-00	Technology To Create/Edit/Run An Executable File On A Host Via A Web Browser Connected Thereto
. ,	,						,		Technology To Translate Non-Text Display Generation Data Representing An Indicator Into Text
Hernandez 4 (G)	Hernandez 4 (G)-US-NP	US7080319	09/407878		US	18-Jul-06	29-Sep-19	29-Sep-99	Variables
	Hernandez-Valencia 10-1-4-21 (E)-US-NP	US6747953	09/578071		US	8-Jun-04	24-May-20	24-May-00	Method And Apparatus For Congestion Control For Packet-Based Networks Using Call Blocking Method And Apparatus For Congestion Control For
	Hernandez-Valencia 13-4-7-24 (E)-US-NP	US6980517	09/577515		US	27-Dec-05	24-May-20	24-May-00	Packet-Based Networks Using Call Gapping And Rerouting In the Peripheral Domain
Hernandez-Valencia 5 (E)	Hernandez-Valencia 5 (E)-US-NP	US6266327	09/045351		US	24-Jul-01	20-Mar-18	20-Mar-98	A Non-Conformance Indicator For The Guaranteed Frame Rate Service
Hernon 5 (D)	Hernon 5 (D)-US-NP	US7961462	12/473657	20100302730	US	14-Jun-11	18-Aug-29	28-May-09	Enhanced Circuit Pack Heat Transfer Using Vortex Generators Apparatus And Method For Reducing The Effects Of
Herrig 2 (HW)	Herrig 2 (HW)-US-NP	US6470183	09/431785		US	22-Oct-02	2-Nov-19	2-Nov-99	Intermodulation Interference In A Cellular Radio System
Herrig 3 (HW)	Herrig 3 (HW)-US-NP	US6539203	09/431792		US	25-Mar-03	2-Nov-19	2-Nov-99	Method For Determining Cellular Radio Channel Assignments To Minimize Interference Due To Intermodulation Products
U A (USA)	Hannin A (HINN) LIC NID	1156501100	00/510016		us	0.1.1.02	C M 20	6.44 00	Apparatus And Method To Reduce The Reuse Factor
Herrig 4 (HW)	Herrig 4 (HW)-US-NP	US6591108	09/519816		US	8-Jul-03	6-Mar-20	6-Mar-00	For Adaptive-Dynamic Channel Assignment Systems Test Generator For Converting A Model Of Computer Component Object Behavior And Stimulus Values To
Hess 2 (GC)	Hess 2 (GC)-US-NP	US7076713	09/702963		US	11-Jul-06	16-Oct-23	31-Oct-00	Test Script Temperature Compensated Coaxial Cavity Resonator
Hesselbarth 7 (J) Hesselbarth 7 (J)	Hesselbarth 7 (J)-DE-EPA Hesselbarth 7 (J)-FR-EPA	EP2083471 EP2083471	08101021.7 08101021.7	EP2083471 EP2083471	DE FR	15-Dec-10 15-Dec-10	28-Jan-28 28-Jan-28	28-Jan-08 28-Jan-08	Using Anisotropic Material Temperature Compensated Coaxial Cavity Resonator Using Anisotropic Material
Hesselbarth 7 (J)	Hesselbarth 7 (J)-GB-EPA	EP2083471	08101021.7	EP2083471	GB	15-Dec-10	28-Jan-28	28-Jan-08	Temperature Compensated Coaxial Cavity Resonator Using Anisotropic Material
Hessler 1-1-1-3 (P)	Hessier 1-1-1-3 (P)-US-NP	US7200157	09/937367		US	3-Apr-07	28-Mar-20	28-Mar-00	Detection And Compensation Of Ingressing Frame Offset Discontinuities For Tandem Connection Trails
Hessler 2-2-2-4 (P)	Hessler 2-2-2-4 (P)-AU-NP	AU744601	55062/00		AU	13-Jun-02	31-Aug-20	31-Aug-00	Enhanced Multiframe Alignment For Tandem Connection Trials
Hessler 2-2-2-4 (P)	Hessler 2-2-2-4 (P)-DE-EPA	EP1083690	99307104.2	EP1083690	DE	24-May-06	7-Sep-19	7-Sep-99	Enhanced Multiframe Alignment For Tandem Connection Trials
Hessler 2-2-2-4 (P)	Hessier 2-2-2-4 (P)-FR-EPA	EP1083690	99307104.2	EP1083690	FR	24-May-06	7-Sep-19	7-Sep-99	Enhanced Multiframe Alignment For Tandem Connection Trials Enhanced Multiframe Alignment For Tandem
Hessler 2-2-2-4 (P)	Hessler 2-2-2-4 (P)-GB-EPA	EP1083690	99307104.2	EP1083690	GB	24-May-06	7-Sep-19	7-Sep-99	Connection Trials Enhanced Multiframe Alignment For Tandem
Hessler 2-2-2-4 (P)	Hessler 2-2-2-4 (P)-JP-NP	JP4629201	2000270152		JP	19-Nov-10	6-Sep-20	6-Sep-00	Connection Trials Enhanced Multiframe Alignment For Tandem
Hessler 2-2-2-4 (P)	Hessler 2-2-2-4 (P)-US-NP	US6798748	09/655249		US	28-Sep-04	5-Sep-20	5-Sep-00	Connection Trials Enhanced Multiframe Processing For Tandem
Hessler 3-3-3-5 (P)	Hessler 3-3-3-5 (P)-AU-NP	AU745023	55069/00		AU	20-Jun-02	31-Aug-20	31-Aug-00	Connection Trails With Transmission Of Protection Schemes Enhanced Multiframe Processing For Tandem
Hessler 3-3-3-5 (P)	Hessler 3-3-3-5 (P)-DE-EPA	EP1083691	99307111.7	EP1083691	DE	2-Jul-08	7-Sep-19	7-Sep-99	Connection Trails With Transmission Of Protection Schemes Enhanced Multiframe Processing For Tandem
Hessler 3-3-3-5 (P)	Hessler 3-3-3-5 (P)-FR-EPA	EP1083691	99307111.7	EP1083691	FR	2-Jul-08	7-Sep-19	7-Sep-99	Connection Trails With Transmission Of Protection Schemes
Hessler 3-3-3-5 (P)	Hessler 3-3-3-5 (P)-GB-EPA	EP1083691	99307111.7	EP1083691	GB	2-Jul-08	7-Sep-19	7-Sep- <del>99</del>	Enhanced Multiframe Processing For Tandem Connection Trails With Transmission Of Protection Schemes
									Enhanced Multiframe Processing For Tandem Connection Trails With Transmission Of Protection
Hessler 3-3-3-5 (P)	Hessler 3-3-3-5 (P)-JP-NP	JP4579391	2000270153		JP	3-Sep-10	6-Sep-20	6-Sep-00	Schemes Enhanced Multiframe Processing For Tandem Connection Trails With Transmission Of Protection
Hessler 3-3-3-5 (P)	Hessler 3-3-3-5 (P)-US-NP	US6807152	09/655250		US	19-Oct-04	5-Sep-20	5-Sep-00	Schemes
Heyningen 1-2 (P)	Heyningen 1-2 (P)-US-NP	US6970480	09/933062	20020021662	US	29-Nov-05	18-Dec-23	20-Aug-01	Protection Switching For Duplex Atm-Pon Systems  Method And System For Support Of Overlapping IP
Hiller 16-9 (TL)	Hiller 16-9 (TL)-US-NP	US6445922	09/461881		US	3-Sep-02	15-Dec-19	15-Dec-99	Addresses Between An Interworking Function And A Mobile IP Foreign Agent A System To Improve The Performance Of Tane
Hillyer 3-16-27 (BK)	Hillyer 3-16-27 (BK)-US-NP	US6282607	08/936495		US	28-Aug-01	18-Sep-17	18-Sep-97	A System To Improve The Performance Of Tape Storage Systems Routing Internet Communications Using Network
Hilt 5-18-1 (V) Hilt 6-12 (V)	Hilt 5-18-1 (V)-US-NP Hilt 6-12 (V)-JP-PCT	US7948917 JP5137941	11/260890 2009-503077	20070097951 2009532947	US JP	24-May-11 22-Nov-12	20-Feb-29 30-Mar-27	27-Oct-05 30-Mar-07	Coordinates Network Load Balancing And Overload Control
Hilt 6-12 (V)	Hilt 6-12 (V)-US-CNT		14/939587	20160065475	US	22-NOV-12	30-Mar-27 31-Mar-26	12-Nov-15	Network Load Balancing And Overload Control Network Load Balancing And Overload Control
Hilt 6-12 (V)	Hilt 6-12 (V)-US-NP	US9219686	11/395455	20070233896	US	22-Dec-15	2-Sep-31	31-Mar-06	Network Load Balancing And Overload Control
Hitzeman 1 (BP)	Hítzeman 1 (BP)-US-NP	US6760312	09/451327		US	6-Jul-04	30-Nov-19	30-Nov-99	Quality Of Service On Demand  Method And Apparatus For Detection And Decoding Of Signals Received From A Linear Propagation
Hochwald 11-22 (BM)	Hochwald 11-22 (BM)-US-NP Hochwald 4-6-10-5-4 (BM)-DE-	US7236536	10/205706	20030076890	US	26-Jun-07	22-Dec-24	26-Jul-02	Channel Wireless Transmission Method For Antenna Arrays
, , ,	EPA Hochwald 4-6-10-5-4 (BM)-FR- EPA	EP1009124 EP1009124	99309613.0 99309613.0	EP1009124 EP1009124	DE FR	4-Dec-02 4-Dec-02	30-Nov-19 30-Nov-19	30-Nov-99 30-Nov-99	Using Unitary Space-Time Signals Wireless Transmission Method For Antenna Arrays Using Unitary Space-Time Signals
	Hochwald 4-6-10-5-4 (BM)-JP- NP	JP3604981	11346884		JP	8-Oct-04	6-Dec-19	6-Dec-99	Wireless Transmission Method For Antenna Arrays Using Unitary Space-Time Signals
Hochwald 4-6-10-5-4 (BM)	Hochwald 4-6-10-5-4 (BM)-US- NP	US6363121	09/206843		US	26-Mar-02	7-Dec-18	7-Dec-98	Wireless Transmission Method For Antenna Arrays Using Unitary Space-Time Signals

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Hochwald 6-8 (BM) Hochwald 6-8 (BM) Hochwald 6-8 (BM)	ASE BEFERENCE  Hochwald 6-8 (BM)-DE-EPA  Hochwald 6-8 (BM)-FR-EPA	EP1069723	APPLICATION NUMBER 00305565.4	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	BATE	DATE	TITLE
Hochwald 6-8 (BM) Ho		EP1069723	00305565.4						
	lochwald 6-8 (BM)-FR-EPA			EP1069723	DE	31-Aug-11	3-Jul-20	3-Jul-00	Method For Wireless Differential Communication Using Multiple Transmitter Antennas
Hochwald 6-8 (BM) Ho		EP1069723	00305565.4	EP1069723	FR	31-Aug-11	3-Jul-20	3-Jul-00	Method For Wireless Differential Communication Using Multiple Transmitter Antennas
	lochwald 6-8 (BM)-GB-EPA	EP1069723	00305565.4	EP1069723	GB	31-Aug-11	3-Jul-20	3-Jul-00	Method For Wireless Differential Communication Using Multiple Transmitter Antennas
Hochwald 6-8 (BM) Ho	lochwald 6-8 (BM)-JP-NP	JP4657423	2000214304		JP	7-Jan-11	14-Jul-20	14-Jul-00	Method For Wireless Differential Communication Using Multiple Transmitter Antennas
Hochwald 6-8 (BM) Ho	lochwald 6-8 (BM)-US-NP	US6724842	09/356387		US	20-Apr-04	16-Jul-19	16-Jul-99	Method For Wireless Differential Communication Using Multiple Transmitter Antennas
Hodes 17-3-1-2 (MS) Ho	lodes 17-3-1-2 (MS)-US-NP	US7825324	11/618056	20080155992	US	2-Nov-10	28-Oct-27	29-Dec-06	Spreading ThermoElectric Coolers
Hodes 21-37-9 (MS) Ho	lodes 21-37-9 (MS)-IN-PCT		2084/DELNP/2010	2084/DELNP/2010	IN		22-Sep-28	22-Sep-08	Recirculating Gas Rack Cooling Architecture
Hodes 21-37-9 (MS) Ho	lodes 21-37-9 (MS)-US-NP	US9025330	11/865020	20090086434	US	5-May-15	22-Nov-27	30-Sep-07	Recirculating Gas Rack Cooling Architecture
Hodes 21-37-9 (MS) Ho	lodes 21-37-9 (MS)-JP-PCT	JP5576282	2010526913	2010541238	JP	11-Jul-14	22-Sep-28	22-Sep-08	Recirculating Gas Rack Cooling Architecture
	lodes 28 (MS)-IN-PCT lodes 28 (MS)-JP-PCT	JP5702280	149/DELNP/2011 2011518706	149/DELNP/2011 2011528189	IN JP	27-Feb-15	29-Jun-29 29-Jun-29	29-Jun-09 29-Jun-09	Stackable Thermoelectric Modules Stackable Thermoelectric Modules
		ZL200980127527							
	lodes 28 (MS)-CN-PCT lodes 28 (MS)-DE-EPT	.8 EP2313937	200980127527.8 09788846.5	102089895 EP2313937	CN DE	17-Sep-14 19-Mar-14	29-Jun-29 29-Jun-29	29-Jun-09 29-Jun-09	Stackable Thermoelectric Modules Stacked Thermoelectric Modules
Hodes 28 (MS) Ho	lodes 28 (MS)-FR-EPT	EP2313937	09788846.5 09788846.5	EP2313937	FR CP	19-Mar-14	29-Jun-29	29-Jun-09	Stacked Thermoelectric Modules
Hodes 28 (MS) Ho	lodes 28 (MS)-GB-EPT	EP2313937 ZL200780029457	09788846.5	EP2313937	GB	19-Mar-14	29-Jun-29	29-Jun-09	Stacked Thermoelectric Modules  Method Of Predicting Transmission Speed
Hoekstra 8-6 (GJ) Ho	loekstra 8-6 (GJ)-CN-PCT	.3	200780029457.3	101502155	CN	30-Nov-11	26-Jul-27	26-Jul-07	Adaptations Method Of Predicting Transmission Speed
	loekstra 8-6 (GJ)-DE-EPT	EP2052573	07810798.4	EP2052573	DE	7-Jul-10	26-Jul-27	26-Jul-07	Adaptations Method Of Predicting Transmission Speed
, ,	loekstra 8-6 (GJ)-FR-EPT	EP2052573	07810798.4	EP2052573	FR	7-Jul-10	26-Jul-27	26-Jul-07	Adaptations Method Of Predicting Transmission Speed
Hoekstra 8-6 (GJ) Ho	loekstra 8-6 (GJ)-GB-EPT	EP2052573	07810798.4	EP2052573	GB	7-Jul-10	26-Jul-27	26-Jul-07	Adaptations Method Of Predicting Transmission Speed
Hoekstra 8-6 (GJ) Ho	loekstra 8-6 (GJ)-KR-PCT	KR101106879	20097002504		KR	10-Jan-12	26-Jul-27	26-Jul-07	Adaptations Method Of Predicting Transmission Speed
Hoekstra 8-6 (GJ) Ho	loekstra 8-6 (GJ)-US-NP	US7693097	11/463389	20080039038	US	6-Apr-10	31-Aug-27	9-Aug-06	Adaptations  Method And Apparatus For Improving The Quality Of
Hoffbeck 1-13-1-5-2 (JP) Ho	offbeck 1-13-1-5-2 (JP)-DE-EPA	EP0984570	99306658.8	EP0984570	DE	6-Dec-06	23-Aug-19	23-Aug-99	Speech Signals Transmitted Over Wireless Communication Facilities Method And Apparatus For Improving The Quality Of
Hoffbeck 1-13-1-5-2 (JP)	offbeck 1-13-1-5-2 (JP)-ES-EPA	EP0984570	99306658.8	EP0984570	ES	6-Dec-06	23-Aug-19	23-Aug-99	Speech Signals Transmitted Over Wireless Communication Facilities Method And Apparatus For Improving The Quality Of
Hoffbeck 1-13-1-5-2 (JP)	Hoffbeck 1-13-1-5-2 (JP)-FR-EPA	EP0984570	99306658.8	EP0984570	FR	6-Dec-06	23-Aug-19	23-Aug-99	Speech Signals Transmitted Over Wireless Communication Facilities
Hoffbeck 1-13-1-5-2 (JP) Ho	offbeck 1-13-1-5-2 (JP)-GB-EPA	EP0984570	99306658.8	EP0984570	GB	6-Dec-06	23-Aug-19	23-Aug-99	Method And Apparatus For Improving The Quality Of Speech Signals Transmitted Over Wireless Communication Facilities
Hoffbeck 1-13-1-5-2 (JP) Ho	offbeck 1-13-1-5-2 (JP)-IT-EPA	EP0984570	99306658.8	EP0984570	п	6-Dec-06	23-Aug-19	23-Aug-99	Method And Apparatus For Improving The Quality Of Speech Signals Transmitted Over Wireless Communication Facilities
Hoffbeck 1-13-1-5-2 (JP) Ho	offbeck 1-13-1-5-2 (JP)-US-NP	US6445686	09/146788		US	3-Sep-02	3-Sep-18	3-Sep-98	Method And Apparatus For Improving The Quality Of Speech Signals Transmitted Over Wireless Communication Facilities
Hoffmann 1-15 (S) Ho	offmann 1-15 (S)-US-NP	US6236286	09/327538		US	22-May-01	8-Jun-19	8-Jun-99	Integrated On-Board Automated Alignment For Low Distortion Amplifier
Hoffman 2 (5)	lafferana 2 (C) UC ND	US7436900	09/820146	20020141509	US	14-Oct-08	20 Fee 25	28-Mar-01	Intermodulation Distortion Identification And Quantization Circuit For A Linear Amplifier System
	loffmann 3 (S)-US-NP lolland 11 (WR)-US-NP	US6519026	09/369915	20020141309	US	11-Feb-03	20-Sep-25 6-Aug-19	6-Aug-99	Optical Time-Domain Reflectometer (OTDR)
Holland 17 (WR) Ho	folland 17 (WR)-US-NP	US6396575	09/584588		US	28-May-02	31-May-20	31-May-00	Test And Measurement System For Detecting And Monitoring Faults And Losses In Passive Optical Networks
	loizmann 14-11-5 (GJ)-US-NP	US6353896	09/211967		US	5-Mar-02	15-Dec-18	15-Dec-98	Method And Apparatus For Testing Event Driven Software
	Hostetler 1 (LB)-US-NP	US7929684	10/628714	20050025303	US	19-Apr-11	7-Oct-29	28-Jul-03	High Availability Multi-Tenant Feature
Houck 4-2 (DJ) Ho	louck 4-2 (DJ)-US-NP	US6778496	09/589304		US	17-Aug-04	7-Jun-20	7-Jun-00	Distributed Call Admission And Load Balancing Method And Apparatus For Packet Networks
Houweling 1 (T) Ho	louweling 1 (T)-US-NP	US8532651	12/956397	20120135727	US	10-Sep-13	12-Jun-31	30-Nov-10	Method Of Rejecting Radio Links Based On Timing Information Regarding A Detected Cell
Howell 1 (RE) Ho	lowell 1 (RE)-US-NP	US6363498	08/975382		US	26-Mar-02	20-Nov-17	20-Nov-97	Method And Apparatus To Automatically Back Up Switching System Files
Hu 12-5-12 (J) Hu	lu 12-5-12 (J)-US-NP	US6542635	09/391713		US	1-Apr-03	8-Sep-19	8-Sep-99	Method For Document Comparison And Classificatio Using Document Image
Hu 15-8-3-20 (J) Hu	lu 15-8-3-20 (J)-US-NP	US7054871	09/734057		US	30-May-06	8-Mar-23	11-Dec-00	Method For Identifying And Using Table Structures
Hu 7-4 (TH) Hu	lu 7-4 (TH)-KR-NP	KR101011936	20030029450		KR	25-Jan-11	9-May-23	9-May-03	In-Band Flow Control Methods for Communications Systems
Hu 7-4 (TH) Hu	lu 7-4 (TH)-US-NP	US8089879	10/145514	20030214906	US	3-Jan-12	25-Jan-26	15-May-02	In-Band Flow Control Methods For Communications Systems
Hua 15-2 (S) Hu	lua 15-2 (S)-US-NP	US7106702	10/158815	20030223386	US	12-Sep-06	4-Mar-25	31-May-02	On-Demand Dynamically Updated User Database & AAA Function For High Reliability Networks
Hua 17-4 (S) Ht	lua 17-4 (S)-JP-NP	JP4762658	2005287625	2006109478	JP	17-Jun-11	30-Sep-25	30-Sep-05	Method And Apparatus For Providing Distributed SLF Routing Capability In An Internet Multimedia Subsystem (IMS) Network
Hua 17-4 (S) Hu	lua 17-4 (S)-CN-NP	ZL10107176.8	200510107176.8	CN1758634A	CN	1-Dec-10	28-Sep-25	28-5ep-05	Method And Apparatus For Providing Distributed SLF Routing Capability In An Internet Multimedia Subsystem (IMS) Network

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION:	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	THILE
									Method And Apparatus For Providing Distributed SLF
Hua 17-4 (S)	Hua 17-4 (S)-DE-EPA	EP1643719	05255916.8	EP1643719	DE	25-Apr-07	22-Sep-25	22-Sep-05	Routing Capability In An Internet Multimedia Subsystem (IMS) Network
1108 17-4 (5)	TIGG 17-4 (5)-DE-ELM	11043713	03233310.0	EI 1043713	DE .	23-Api-07	22-3cp-23	22-3cp-03	
									Method And Apparatus For Providing Distributed SLF Routing Capability In An Internet Multimedia
Hua 17-4 (S)	Hua 17-4 (S)-FR-EPA	EP1643719	05255916.8	EP1643719	FR	25-Apr-07	22-Sep-25	22-Sep-05	Subsystem (IMS) Network
									Method And Apparatus For Providing Distributed SLF Routing Capability In An Internet Multimedia
Hua 17-4 (S)	Hua 17-4 (S)-GB-EPA	EP1643719	05255916.8	EP1643719	GB	25-Apr-07	22-Sep-25	22-Sep-05	Subsystem (IMS) Network
									Method And Apparatus For Providing Distributed SLF Routing Capability In An Internet Multimedia
Hua 17-4 (S)	Hua 17-4 (S)-US-NP	US7453876	10/956858	20060067338	US	18-Nov-08	4-May-26	30-Sep-04	Subsystem (IMS) Network Code Division Multiple Access Communication With
Huang 10-5-29 (HC)	Huang 10-5-29 (HC)-DE-EPA	EP0969610	99304917.0	EP0969610	DE	31-Dec-08	23-Jun-19	23-Jun-99	Enhanced Multipath Diversity  Code Division Multiple Access Communication With
Huang 10-5-29 (HC)	Huang 10-5-29 (HC)-FR-EPA	EP0969610	99304917.0	EP0969610	FR	31-Dec-08	23-Jun-19	23-Jun-99	Enhanced Multipath Diversity
Huang 10-5-29 (HC)	Huang 10-5-29 (HC)-GB-EPA	EP0969610	99304917.0	EP0969610	GB	31-Dec-08	23-Jun-19	23-Jun-99	Code Division Multiple Access Communication With Enhanced Multipath Diversity
	Huang 10-5-29 (HC)-US-NP	US6373832	09/108775		US	16-Apr-02	2-Jul-18	2-Jul-98	Code Division Multiple Access Communication With Enhanced Multipath Diversity
	Huang 1-1-1-2-1-17-1 (RY)-US- NP	US5950096	08/935362		us	7-Sep-99	22-Sep-17	22-Sep-97	Process For Improving Device Yield In Integrated Circuit Fabrication
Huang 13 (HC)	Foschini 9-14-5 (GJ)-CA-PCT	CA2377539	2377539		CA	2-Dec-08	16-Jun-20	16-Jun-00	High-Speed Data Services Using Multiple Transmit Antennas
Huang 13 (HC)	Foschini 9-14-5 (GJ)-CN-PCT	ZL00810923.0	00810923.0	CN1399819A	CN	15-Apr-09	16-Jun-20	16-Jun-00	High-Speed Data Services Using Multiple Transmit Antennas
	Foschini 9-14-5 (GJ)-DE-EPT	EP1190506	00942895.4	EP1190506	DE	14-Dec-11	16-Jun-20	16-Jun-00	High-Speed Data Services Using Multiple Transmit Antennas
, , , , , , , , , , , , , , , , , , ,	Foschini 9-14-5 (GJ)-FR-EPT	EP1190506	00942895.4	EP1190506	FR	14-Dec-11	16-Jun-20	16-Jun-00	High-Speed Data Services Using Multiple Transmit Antennas
• ` ` '	, ,								High-Speed Data Services Using Multiple Transmit
	Foschini 9-14-5 (GJ)-GB-EPT	EP1190506	00942895.4	EP1190506	GB	14-Dec-11	16-Jun-20	16-Jun-00	Antennas High-Speed Data Services Using Multiple Transmit
	Foschini 9-14-5 (GJ)-JP-PCT	JP4855615	2001506165	2003503887	JP	4-Nov-11	16-Jun-20	16-Jun-00	Antennas High-Speed Data Services Using Mutliple Transmit
Huang 13 (HC)	Huang 13 (HC)-US-NP	US6370129	09/587345		US	9-Apr-02	5-Jun-20	5-Jun-00	Antennas  An Antenna Configuration for a Hybrid Inner/Outer
Huang 1-3-1-1-2 (J)	Huang 1-3-1-1-2 (J)-US-NP	US6351654	09/167186		US	26-Feb-02	6-Oct-18	6-Oct-98	Sectored Cell
Huang 16 (S)	Huang 16 (S)-US-NP	US6256138	09/479831		US	3-Jul-01	7-Jan-20	7-Jan-00	Fiber Filter To Improve Return Loss At Signal Band Of A Fiber Amplifier For Pump Laser Modules
	Huang 2-1 (D)-US-NP	US7225392	10/090371	20030167441	US	29-May-07	25-May-23	4-Mar-02	Error Correction Trellis Coding With Periodically Inserted Known Symbols
Huang 3 (D)	Huang 3 (D)-US-NP	US7170946	10/090237	20030165199	US	30-Jan-07	27-Apr-24	4-Mar-02	System And Method For Reviving Catastrophic Codes
Huang 4-19 (HC)	Huang 4-19 (HC)-KR-NP	KR275239	9815762		KR	20-Sep-00	1-May-18	1-May-98	Partial Decorrelation For A Coherent Wireless Multicode Code Division Multiple Access Receiver
									Methods And Apparatus For Coherent Detection Of
Huang 7 (HC)	Huang 7 (HC)-US-NP	US6385185	09/104791		US	7-May-02	25-Jun-18	25-Jun-98	Signals With Orthogonal Data Modulation
Huckett 1-8-1-1 (SJ)	Huckett 1-8-1-1 (SJ)-US-NP	US7289516	10/632049	20050025177	US	30-Oct-07	17-Jan-26	31-Jul-03	Universal Interface Garbage Collection Without Fine-Grain
Huelsbergen 1-4 (LF)	Huelsbergen 1-4 (LF)-US-NP	US6052699	08/987030		US	18-Apr-00	10-Dec-17	10-Dec-97	Synchronization Method For Selecting Base Station For Handover
Huet 1-35 (F)	Huet 1-35 (F)-US-NP	US8364150	12/654867	20110164593	US	29-Jan-13	7-Oct-30	7-Jan-10	From Plurality Of Target Base Stations And Device
nuer 1-55 (r)	nuet 1-35 (F)-05-NF	036364130	12/034007	20110104393	03	25-Jan-15	7-001-30	7-Jan-10	
Hull 3-2-2 (RB)	Hull 3-2-2 (RB)-US-NP	US6327362	09/198232		us	4-Dec-01	23-Nov-18	23-Nov-98	System And Method Including Dynamic Differential Treatment In Workflows And Contact Flows
									Decreased-Size Representation Employed With Portion Of Automated Number Identification
Hung 1-1 (H)	Hung 1-1 (H)-US-NP	US6389123	09/436941		us	14-May-02	8-Nov-19	8-Nov-99	Information In Determination Of Network Control Point Address
Hunziker 1-3-6 (GH)	Hunziker 1-3-6 (GH)-US-NP	US6509987	09/371165		US	21-Jan-03	10-Aug-19	10-Aug-99	Channel Band Conversion Apparatus For Optical Transmission Systems
	Huo 2-8 (DD)-US-NP	US7120431	09/249312		US	10-Oct-06	12-Feb-19	12-Feb-99	System And Method For Adjusting Antenna Radiation In A Wireless Network
	Huo 4 (DD)-DE-EPA	EP1189366	01306721.0	EP1189366	DE	27-Apr-05	7-Aug-21	7-Aug-01	Channel Sharing By Diverse Multiframes In A Wireless Communications Network
			01306721.0		FR				Channel Sharing By Diverse Multiframes In A
	Huo 4 (DD)-FR-EPA	EP1189366		EP1189366		27-Apr-05	7-Aug-21	7-Aug-01	Wireless Communications Network Channel Sharing By Diverse Multiframes In A
	Huo 4 (DD)-GB-EPA	EP1189366	01306721.0	EP1189366	GB	27-Apr-05	7-Aug-21	7-Aug-01	Wireless Communications Network Channel Sharing By Diverse Multiframes In A
Huo 4 (DD)	Huo 4 (DD)-US-NP	US6879573	09/663355		US	12-Apr-05	15-Sep-20	15-Sep-00	Wireless Communications Network Element And Method For Securing A Circuit
Hwang 6 (L)	Hwang 6 (L)-US-NP	US6284981	09/432775		US	4-Sep-01	2-Nov-19	2-Nov-99	Component To A Circuit Board
Hwang 7-5-1 (HY)	Hwang 7-5-1 (HY)-US-NP	US7095067	10/445414	20040238861	US	22-Aug-06	22-Aug-23	27-May-03	Oxidation-Resistant Conducting Perovskites
llas 3-3-12-9-9 (C)	llas 3-3-12-9-9 (C)-DE-EPA	EP1061667	99304583.0	EP1061667	DE	20-Aug-03	11-Jun-19	11-Jun-99	Improved Channel Estimation Technique
llas 3-3-12-9-9 (C)	llas 3-3-12-9-9 (C)-FR-EPA	EP1061667	99304583.0	EP1061667	FR	20-Aug-03	11-Jun-19	11-Jun-99	Improved Channel Estimation Technique
llas 3-3-12-9-9 (C)	llas 3-3-12-9-9 (C)-GB-EPA	EP1061667	99304583.0	EP1061667	GB	20-Aug-03	11-Jun-19	11-Jun-99	Improved Channel Estimation Technique
	liting 1-1-1 (T)-US-NP	US5951666	08/976758		US	14-Sep-99	24-Nov-17	24-Nov-97	Bus System Having Both Serial And Parallel Busses
Innovance 15	Innovance 15-US-CIP	US7599621	10/952325	20060002716	US	6-Oct-09	12-Dec-27	28-Sep-04	Trail Engineering In Agile Photonic Networks  Method And System For Monitoring Network
Innovance 4	Innovance 4 ()-US-NP	US8676956	09/946195		US	18-Mar-14	28-Mar-24	5-Sep-01	Resources Utilization
1		1			1	1	1		System And Method For Measuring Network Round
INS 11	INS 11 ()-US-NP	US7006448	09/675310		US	28-Feb-06	19-Feb-23	29-Sep-00	Trip Time By Monitoring Fast Response Operations

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FAMILY	Case Reference	GRANT NUMBER	application Number	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPURATION DATE	APPLICATION DATE	TITLE  Method and Apparatus Providing for Automatically
INS 6	INS 6 ()-US-NP	US6216163	09/039086		US	10-Apr-01	11-Mar-18	11-Mar-98	Restarting a Client-Server Connection in a Distributed Network
Israel 3-2-1-1-7 (JG)	Israel 3-2-1-1-7 (JG)-US-NP	US6937823	09/799369	20020131098	US	30-Aug-05	17-Jul-22	5-Mar-01	Method For Preventing Lasing In An Optical Ring Network
Italiano 1-50-10 (GF)	Italiano 1-50-10 (GF)-US-NP	US8028050	10/462215	20040255049	US	27-Sep-11	23-Jul-30	13-Jun-03	Restoration For Virtual Private Networks
lyengar 3-1 (V)	lyengar 3-1 (V)-US-NP	US6385176	09/090733		US	7-May-02	4-Jun-18	4-Jun-98	Communication System Based On Echo Canceler Tap Profile
Jackson 6-2-5-11 (RG)	Jackson 6-2-5-11 (RG)-US-NP	US5978474	08/964340		US	2-Nov-99	4-Nov-17	4-Nov-97	Coin Telephone Protection Device
Jacobson 8-5-30-2 (T)	Jacobson 8-5-30-2 (T)-US-NP	US7620400	11/267992	20070105535	US	17-Nov-09	1-Dec-26	7-Nov-05	Inter-System Message Delivery For SMS Text Messages
300030110 3 30 2 (1)	3800330110 3 30 2 (1) 03 11	037020400	11/20/332	20070103333	03	17 1107 05	100020	7 1104 03	Methods And Apparatus For Information Indexing And Retrieval As Well As Query Expansion Using
Jacquemin 1-1 (C)	Jacquemin 1-1 (C)-US-NP	US6101492	09/109506		US	8-Aug-00	2-Jul-18	2-Jul-98	Morpho-Syntactic Analysis
Jacquin 19-3 (AE)	Jacquin 19-3 (AE)-US-CIP	US6167162	09/411112		US	26-Dec-00	23-Oct-18	4-Oct-99	Rate-Distortion Optimized Coding Mode Selection Fo Video Coders
									System And Method For Retrieving Network
Jai 4-13 (B)	Jai 4-13 (B)-US-NP	US7734761	10/370805	20040199619	US	8-Jun-10	11-Oct-26	20-Feb-03	Management Data From Multiple Network Elements
Jakobsson 10 (BM)	Jakobsson 10 (BM)-US-NP	US6507656	09/237522		US	14-Jan-03	27-Jan-19	27-Jan-99	Non Malleable Encryption Apparatus And Method
Jakobsson 10 (BM)	Jakobsson 13-1 (BM)-US-CNT	US6931126	09/487946		US	16-Aug-05	27-Jan-19	19-Jan-00	Non Malleable Encryption Method And Apparatus Using Key-Encryption Keys And Digital Signature
Jakobsson 11 (BM)	Jakobsson 11 (BM)-US-NP	US6529884	09/352963		US	4-Mar-03	14-Jul-19	14-Jul-99	A Minimalistic Electronic Commerce System
									Verification Of Correct Exponentiation Or Other
Jakobsson 15 (BM)	Jakobsson 15 (BM)-US-NP	US6978372	09/315628		US	20-Dec-05	20-May-19	20-May-99	Operations In Cryptographic Applications Mix And Match: A New Approach To Secure
Jakobsson 19-3 (BM)	Jakobsson 19-3 (BM)-US-NP	US6772339	09/524337		US	3-Aug-04	13-Mar-20	13-Mar-00	Multiparty Computation
Jakobsson 37 (BM)	Jakobsson 37 (BM)-US-NP	US7065655	09/717513		US	20-Jun-06	25-Aug-23	21-Nov-00	Secure Enclosure For Key Exchange
									Method, Apparatus, And Article Of Manufacture For Generating Secure Recommendations From Market-
Jakobsson 43 (BM)	Jakobsson 43 (BM)-US-NP	US6970839	09/809953	20020133419	US	29-Nov-05	10-Mar-23	16-Mar-01	Based Financial Instrument Prices Secure Distributed Computation In Cryptographic
Jakobsson 44-6 (BM)	Jakobsson 44-6 (BM)-US-NP	US6950937	09/867935	20030046547	US	27-Sep-05	17-Jul-23	30-May-01	Applications
Jakobsson 5 (BM)	Jakobsson 5 (BM)-US-NP	US6587946	09/222716		US	1-Jul-03	29-Dec-18	29-Dec-98	Method And System For Quorum Controlled Assymetric Proxy Encryption
Jakobsson 5 (BM)	Jakobsson 8 (BM)-US-CNT	US6687822	09/330194		US	3-Feb-04	29-Dec-18	11-Jun-99	Method And System For Providing Translation Certificates
									Method And Apparatus For Distributing Shares Of A Password For Use In Multi-Server Password
Jakobsson 50-14 (BM)	Jakobsson 50-14 (BM)-US-NP	US7073068	10/154746	20030229788	US	4-Jul-06	27-Aug-24	24-May-02	Authentication
Jakobsson 6 (BM)	Jakobsson 6 (BM)-US-NP	US6317833	09/197799		US	13-Nov-01	23-Nov-18	23-Nov-98	A Practical Mix-Based Election Scheme
Jalloul 3 (A)	Jailoul 3 (A)-IN-NP	IN214014	930/MAS/99		IN	23-Jan-08	20-Sep-19	20-Sep-99	Dynamic Reduction Of Telephone Call Congestion
Jalloul 3 (A)	Jalloul 3 (A)-JP-DIV	JP4584327	2008209714	2009017577	JP	10-Sep-10	5-Nov-18	5-Nov-99	Dynamic Reduction Of Telephone Call Congestion
Jalloul 3 (A)	Jailoul 3 (A)-US-NP	US6324403	09/186335		US	27-Nov-01	5-Nov-18	5-Nov-98	Dynamic Reduction Of Telephone Call Congestion  Method Of Selecting Length Of Time Of Inactivity On
									A Channel Dedicated To A User Terminal To Be Detected For The Channel To Be Released, And A Corresponding Network For Radio
Jami 3-1 (I)	Jami 3-1 (I)-GB-NP	GB2390263	0214518.3		GB	12-May-04	24-Jun-22	24-Jun-02	Telecommunications  Method Of Selecting Length Of Time Of Inactivity On
									A Channel Dedicated To A User Terminal To Be Detected For The Channel To Be Released, And A
Jami 3-1 (I)	Jami 3-1 (I)-US-NP	US6944458	10/449178	20030236094	US	13-Sep-05	9-Mar-24	30-May-03	Corresponding Network For Radio Telecommunications
									A Method Of Transfer Of A Call Connection Connecting A Telecommunications Base Station And
									A Mobile User Terminal Between Dedicated And Shared Channels, And A Corresponding
Jami 4-2 (I)	Jami 4-2 (I)-DE-EPA	EP1414256	02257398.4		DE	5-Jul-06	24-Oct-22	24-Oct-02	Telecommucations System  A Method Of Transfer Of A Call Connection
									Connecting A Telecommunications Base Station And A Mobile User Terminal Between Dedicated And Shared Channels, And A Corresponding
Jami 4-2 (I)	Jami 4-2 (I)-FR-EPA	EP1414256	02257398.4		FR	5-Jul-06	24-Oct-22	24-Oct-02	Telecommucations System A Method Of Transfer Of A Call Connection
									Connecting A Telecommunications Base Station And A Mobile User Terminal Between Dedicated And Shared Channels, And A Corresponding
Jami 4-2 (I)	Jami 4-2 (I)-GB-EPA	EP1414256	02257398.4		GB	5-Jul-06	24-Oct-22	24-Oct-02	Telecommucations System  Method Of Transfer Of A Call Connection Connecting
									A Telecommunications Base Station And A Mobile User Terminal Between Dedicated And Shared Channels, And A Corresponding Telecommucations
Jamí 4-2 (I)	Jamí 4-2 (I)-US-NP	US8891361	10/662917	20040082336	US	18-Nov-14	25-Nov-30	15-Sep-03	System Optical Fiber Jumper Cable Bend Limiter And Housing
Janus 8-6-17 (NA)	Janus 8-6-17 (NA)-US-NP	US6445865	09/676176		US	3-Sep-02	29-Sep-20	29-Sep-00	Therefor Method And Apparatus For Receiving Frequency
Jennen 4-3 (JG)	Jennen 4-3 (JG)-US-NP	US7650081	10/853825	20050265732	US	19-Jan-10	22-Aug-28	26-May-04	Modulated Signals On An Intensity Modulated Optical Carrier
Jennen 7 (JG)	Jennen 7 (JG)-DE-EPA	EP1633061	05255354.2	EP1633061	DE	20-Dec-06	1-Sep-25	1-Sep-05	Method And System For Increasing The Spectral Efficiency Of Binary Coded Digital Signals
Jennen 7 (JG)	Jennen 7 (JG)-FR-EPA	EP1633061	05255354.2	EP1633061	FR	20-Dec-06	1-Sep-25	1-Sep-05	Method And System For Increasing The Spectral Efficiency Of Binary Coded Digital Signals
Jennen 7 (JG)	Jennen 7 (JG)-GB-EPA	EP1633061	05255354.2	EP1633061	GB	20-Dec-06	1-Sep-25	1-Sep-05	Method And System For Increasing The Spectral Efficiency Of Binary Coded Digital Signals

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	THTLE
Jennen 7 (JG)	Jennen 7 (JG)-US-NP	US7421204	10/934610	20060045539	US	2-Sep-08	17-Mar-26	2-Sep-04	Method And System For Increasing The Spectral Efficiency Of Binary Coded Digital Signals
	Jennings 4-9-31-11-1 (MR)-US-								Illuminated Optical Connection Port For Use In A Fiber Distribution Shelf Assembly Of A Fiber Administration System Having Integral Line Tracking
Jennings 4-9-31-11-1 (MR)	NP	US6256445	09/209221		US	3-Jul-01	11-Dec-18	11-Dec-98	Capabilities Apparatus And Method For Deinterlacing Video
Jiang 14-23-15 (H)	Jiang 14-23-15 (H)-US-NP	US7256835	10/860942	20050270415	US	14-Aug-07	31-Aug-25	4-Jun-04	Images
Jiang 15-24-16-3 (H)	Jiang 15-24-16-3 (H)-US-NP	US7339626	10/862215	20050270417	US	4-Mar-08	30-Mar-26	7-Jun-04	Deinterlacing Video Images With Slope Detection  A Method And Apparatus For Detecting And Dealing
Jiang 2-2 (F)	Jiang 2-2 (F)-US-NP	US6069881	08/953873		US	30-May-00	18-Oct-17	18-Oct-97	With Malfuncting CDMA Wireless Terminals
Jiang 2-31-6 (H)	Jiang 2-31-6 (H)-US-NP	US9077937	12/266268	20100111197	US	7-Jul-15	29-Jul-32	6-Nov-08	Method And Apparatus For Fast Channel Change
Jiang 2-31-6 (H)	Jiang 2-31-6 (H)-EP-EPT		09748002.4	EP2364549	EP		4-Nov-29	4-Nov-09	Method And Apparatus For Fast Channel Change
Jiang 23-2-23 (F)	Jiang 23-2-23 (F)-US-NP	US8874172	11/239536	20070072643	US	28-Oct-14	24-Sep-32	29-Sep-05	Evaluating Lost Communication Links With Mobile Stations
Jiang 4-8 (H)	Jiang 4-8 (H)-US-NP	US7847631	12/384512	20100253425	US	7-Dec-10	16-May-29	6-Apr-09	Predistortion For Power Amplifier Linearization  Method Of Power Control For A Wireless
Jiang 8-9-3-1-20 (F)	Jiang 8-9-3-1-20 (F)-US-NP	US6535723	09/267998		US	18-Mar-03	15-Mar-19	15-Mar-9 <del>9</del>	Communication System Having Multiple Information Rates
Jin 149 (S)	Jin 149 (S)-US-NP	US5975922	09/036902		US	2-Nov-99	9-Mar-18	9-Mar-98	Device Containing Directionally Conductive Composite Medium
Jin 150-17-14-35 (S)	Jin 150-17-14-35 (S)-US-NP	US6147407	09/049256		US	14-Nov-00	27-Mar-18	27-Mar-98	Article Comprising Fluorinated Amorphous Carbon And Process For Fabricating Article
Jin 207-30-8 (S)	Jin 207-30-8 (S)-US-NP	US6869007	10/046836	20020106528	US	22-Mar-05	15-Jan-22	15-Jan-02	Oxidation-Resistant Reactive Solders And Brazes
Jin 207-30-8 (S)	Jin 207-30-8 (S)-JP-NP	JP4343479	2002016356		JP	17-Jul-09	25-Jan-22	25-Jan-02	Oxidation-Resistant Reactive Solders And Brazes
									Apparatus and systems comprising a superconductive body, and method for producing
Jin 33-31-10 (S)	Jin 33-31-10 (S)-CA-NP	CA1341394	562762		CA	22-Oct-02	22-Oct-19	29-Mar-88	such body Superconductive Oxide Body Having Improved Properties, And Appartus and Systems Comprising
Jin 37-35-16-13 (S) Jindal 5 (RP)	Jin 47-45-23-15 (S)-US-CNT Jindal 5 (RP)-US-NP	US6291402 US6184692	07/426485 08/960396		US US	18-Sep-01 6-Feb-01	18-Sep-18 29-Oct-17	23-Oct-89 29-Oct-97	Such a Body Loop-Back Test Apparatus And Technique
Jindal 7-2 (DK)	Jindal 7-2 (DK)-US-NP	US7971262	10/897805	20060021067	US	28-Jun-11	14-Jul-28	23-Jul-04	Protection Against Software Piracy
Jocher 1 (RW)	Jocher 1 (RW)-US-NP	US6091971	08/914132		US	18-Jul-00	19-Aug-17	19-Aug-97	Plumbing Wireless Phones And Apparatus Thereof
Johnson 1-18 (RE)	Johnson 1-18 (RE)-DE-EPA	EP0998084	99308181.9	EP0998084	DE	7-Feb-07	18-Oct-19	18-Oct-99	Phase-Shift-Keying Demodulator And Demodulation Method Using A Period-Width Windowing Technique
Johnson 1-18 (RE)	Johnson 1-18 (RE)-FR-EPA	EP0998084	99308181.9	EP0998084	FR	7-Feb-07	18-Oct-19	18-Oct-99	Phase-Shift-Keying Demodulator And Demodulation Method Using A Period-Width Windowing Technique
Johnson 1-18 (RE)	Johnson 1-18 (RE)-GB-EPA	EP0998084	99308181.9	EP0998084	GB	7-Feb-07	18-Oct-19	18-Oct-99	Phase-Shift-Keying Demodulator And Demodulation Method Using A Period-Width Windowing Technique
Johnson 1-18 (RE) Johnson 2 (RE)	Johnson 1-18 (RE)-US-NP Johnson 2 (RE)-US-NP	US6341146 US6539411	09/181810 09/181815		US US	22-Jan-02 25-Mar-03	29-Oct-18 29-Oct-18	29-Oct-98 29-Oct-98	Phase-Shift-Keying Demodulator And Demodulation Method Using A Period-Width Windowing Technique Direct Digital Synthesizer
Johnson 4 (MA)	Johnson 4 (MA)-JP-NP	JP5051945	2001092258		JP	3-Aug-12	28-Mar-21	28-Mar-01	Automatic Speech Recognition Caller Input Rate Control
Johnson 4 (MA)	Johnson 4 (MA)-MX-NP	MX241699	2001/003126		MX	6-Nov-06	26-Mar-21	26-Mar-01	Automatic Speech Recognition Caller Input Rate Control
Johnson 4 (MA)	Johnson 4 (MA)-US-NP	US6728671	09/537330		US	27-Apr-04	29-Mar-20	29-Mar-00	Automatic Speech Recognition Caller Input Rate Control
Johnson 5-1 (MG)	Johnson 5-1 (MG)-US-NP	US6292374	09/087098		US	18-Sep-01	29-May-18	29-May-98	Assembly Having A Back Plate With Inserts
Johnson 9 (MG) Jon 15-2 (M)	Johnson 9 (MG)-US-NP Jon 15-2 (M)-US-NP	US6323437 US6025807	09/126481 09/267290		US US	27-Nov-01 15-Feb-00	30-Jul-18 12-Mar-19	30-Jul-98 12-Mar-99	Spring Clamp Coupled with Circuit Board Orientation Independent Loop Antenna
Jones 1-1 (JB)	Jones 1-1 (JB)-US-NP	US6330305	09/087652		US	11-Dec-01	30-May-18	30-May-98	A System And Method For Locating Faulty Elements In A Telephonic Distribution System
Jones 2-8-15-14 (NR)	Jones 2-8-15-14 (NR)-US-NP	US6819683	09/766079	20020097752	US	16-Nov-04	19-Jan-21	19-Jan-01	Communications System And Associated Deskewing And Word Framing Methods
Jones 3-1 (DA)	Jones 3-1 (DA)-EP-EPT		09767016.0	EP2291993	EP		8-Jun-29	8-Jun-09	Method For Providing Green Service To A Communication Unit
Joyner 17 (CH)	Joyner 17 (CH)-US-NP	US6014390	09/016176		US	11-Jan-00	30-Jan-18	30-Jan-98	Improved Tunable Transmitter With Mach-Zehnder Modulator
Jrad 1-1-4-1 (AM)	Jrad 1-1-4-1 (AM)-US-NP	US7603259	11/238919	20070005680	US	13-Oct-09	20-Sep-27	29-Sep-05	Method And Apparatus For Quantifying An Impact O A Disaster On A Network
Judka 1-1 (J)	Judka 1-1 (J)-US-NP	US8195771	10/452270	20040255009	US	5-Jun-12	10-Oct-29	2-Jun-03	Method And Apparatus For The Configuration Of Network Elements
Kabat 1 (Z)	Kabat 1 (Z)-US-NP	US6912131	10/650199	20050047084	US	28-Jun-05	8-Oct-23	27-Aug-03	Electronic Components Card Air Deflector
Kadaba 15-20-19-25 (SR)	Kadaba 15-20-19-25 (SR)-US-NP	US7535839	11/172471	20070002765	US	19-May-09	18-Jun-27	30-Jun-05	Method And Apparatus For Quality-Of-Service Based Admission Control Using Prediction Of Scheduling Gain
Kahn 11-5-6-1-16-10 (CL)		US8553554	12/122356	20090285099	US	8-Oct-13	23-Jul-28	16-May-08	Method And Apparatus For Providing Congestion Control In Radio Access Networks
Kalampoukas 3-1 (L)	Kalampoukas 3-1 (L)-EP-EPT		08869733.9	EP2245826	EP		17-Dec-28	17-Dec-08	Method And Apparatus For Detecting And Suppressing Echo In Packet Networks
Kalavade 1-1 (A)	Kalavade 1-1 (A)-US-NP	US5961599	08/950638		US	5-Oct-99	15-Oct-17	15-Oct-97	Apparatus And Method For Computing The Processing Delay Of Adaptive Applications On Network Terminals And Applications Thereof
Kalavade 2-3 (A)	Kalavade 2-3 (A)-US-NP	US6393433	09/159706		US	21-May-02	24-Sep-18	24-Sep-98	Method And Apparatus For Evaluating Effect Of Run- Time Schedulers On Performance Of End-System Multimedia Applications
Kam 5 (L)	Kam 5 (L)-US-NP	US6005195	09/005454		US	21-Dec-99	12-Jan-18	12-Jan-98	Components For Electrical And/Or Optical Equipmer Mounting Structures
rearri di (E)	(4) 00 111	23555233	22/000/107		33	21 200-33	IZ Jan IV	AL MILEO	System And Method For Increasing Optimal
Kamat 3-5 (SD)	Kamat 3-5 (SD)-US-NP	US8150998	10/670940	20050071502	US	3-Apr-12	22-Jun-28	25-Sep-03	Alternative Network Route Convergence Speed And Border Gateway Router Incorporating The Same
Kamel 10-32-23-22-9 (RE)	Kamel 10-32-23-22-9 (RE)-JP-NP	JP3964112	2000264842		JP	1-Jun-07	1-Sep-20	1-Sep-00	Method And System For Controlling Forward Transmit Power In A Wireless System

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	птів
	Kamel 10-32-23-22-9 (RE)-DE- EPA	EP1081876	00307380.6	EP1081876	DE	27-Apr-11	29-Aug-20	29-Aug-00	Method And System For Controlling Forward Transmit Power In A Wireless System Method And System For Controlling Forward
	Kamel 10-32-23-22-9 (RE)-FI-EPA	EP1081876	00307380.6	EP1081876	FI	27-Apr-11	29-Aug-20	29-Aug-00	Method And System For Controlling Forward Transmit Power In A Wireless System
Kamel 10-32-23-22-9 (RE)	Kamel 10-32-23-22-9 (RE)-FR- EPA Kamel 10-32-23-22-9 (RE)-GB-	EP1081876	00307380.6	EP1081876	FR	27-Apr-11	29-Aug-20	29-Aug-00	Method And System For Controlling Forward Transmit Power In A Wireless System
Kamel 10-32-23-22-9 (RE)	EPA	EP1081876	00307380.6	EP1081876	GB	27-Apr-11	29-Aug-20	29-Aug-00	Method And System For Controlling Forward Transmit Power In A Wireless System
	Kamel 10-32-23-22-9 (RE)-SE- EPA	EP1081876	00307380.6	EP1081876	SE	27-Apr-11	29-Aug-20	29-Aug-00	Method And System For Controlling Forward Transmit Power In A Wireless System
Kamel 10-32-23-22-9 (RE)	Kamel 10-32-23-22-9 (RE)-US-NP	US6496531	09/389080		US	17-Dec-02	2-Sep-19	2-Sep-99	Method And System For Controlling Forward Transmit Power In A Wireless System
Kaminski 1-1 (WJ)	Kaminski 1-1 (WJ)-JP-NP	JP3470884	11197880		JP	12-Sep-03	12-Jul-19	12-Jul-99	Filter Including A Microstrip Antenna And A Frequency Selective Surface
Kaminski 1-1 (WJ)	Kaminski 1-1 (WJ)-KR-NP	KR351470	19990028448		KR	22-Aug-02	14-Jul-19	14-Jul-99	Filter Including A Microstrip Antenna And A Frequency Selective Surface
Kaminski 1-1 (WJ)	Kaminski 1-1 (WJ)-US-NP	US6147572	09/115690		US	14-Nov-00	15-Jul-18	15-Jul-98	Filter Including A Microstrip Antenna And A Frequency Selective Surface
Kaminski 2-3 (WJ)	Kaminski 2-3 (WJ)-US-NP	US6320300	09/146482		US	20-Nov-01	3-Sep-18	3-Sep-98	Piezoelectric Array Filters And Modulators Using Crystal Transverse And Parallel Modes.
Kampmeier 6-46-8 (EE)	Kampmeier 6-46-8 (EE)-US-NP	U56728338	09/708801		US	27-Apr-04	8-Nov-20	8-Nov-00	Utilization Of Communication Channels Between A Central Office Switch And A Law Enforcement Agency
Kang 13 (I)	Kang 13 (I)-IN-PCT		1491/CHENP/2009	1491/CHENP/2009	IN		19-Sep-27	19-Sep-07	Interferometric Operation Of Electroabsorption Modulators
Kang 13 (I)	Kang 13 (I)-US-NP	US7583894	11/534029		US	1-Sep-09	29-Feb-28	21-Sep-06	Interferometric Operation Of Electroabsorption Modulators
Kang 14 (I)	Kang 14 (I)-US-NP	US7873272	11/559015	20080114556	US	18-Jan-11	22-Jul-29	13-Nov-06	Optical Pulse Characterization Using Phase Modulation
Kao 8-53 (Y)	Kao 8-53 (Y)-US-NP	US7440170	11/426035	20070297043	US	21-Oct-08	23-Jun-26	23-Jun-06	Method And Apparatus For Monitoring Optical Signal- To-Noise Ratio
Kapur 4-8 (S)	Kapur 4-8 (S)-US-NP	US6513001	09/317118		US	28-Jan-03	24-May-19	24-May-99	Efficient Electromagnetic Full-Wave Simulation In Layered Semiconductor Media
Kar 2-24-24 (K)	Kar 2-24-24 (K)-US-NP	US7397761	10/357558	20030227877	US	8-Jul-08	24-Dec-25	4-Feb-03	Routing Restorable Service-Level-Guaranteed Connections Using Maximum 2-Route Flows
	Karimi 4-2-15-12-10-29 (HR)-AU- NP	AU748151	72281/00		AU	12-Sep-02	14-Dec-20	14-Dec-00	A Cellular Radio Telecommunications Network, A Method, Protocol And Computer Program For Operating The Site
Karimi 4-2-15-12-10-29	Karimi 4-2-15-12-10-29 (HR)-DE-								A Cellular Radio Telecommunications Network, A Method, Protocol And Computer Program For
Karimi 4-2-15-12-10-29	EPA Karimi 4-2-15-12-10-29 (HR)-FR-	EP1111948	99310300.1	EP1111948	DE	20-Feb-08	21-Dec-19	21-Dec-99	Operating The Site A Cellular Radio Telecommunications Network, A Method, Protocol And Computer Program For
` ′	EPA  Karimi 4-2-15-12-10-29 (HR)-GB-	EP1111948	99310300.1	EP1111948	FR	20-Feb-08	21-Dec-19	21-Dec-99	Operating The Site  A Cellular Radio Telecommunications Network, A
	EPA	EP1111948	99310300.1	EP1111948	GB	20-Feb-08	21-Dec-19	21-Dec-99	Method, Protocol And Computer Program For Operating The Site A Cellular Radio Telecommunications Network, A
	Karimi 4-2-15-12-10-29 (HR)-JP- NP	JP4573430	2000386403		JP	27-Aug-10	20-Dec-20	20-Dec-00	Method, Protocol And Computer Program For Operating The Site A Cellular Radio Telecommunications Network, A
	Karimi 4-2-15-12-10-29 (HR)-KR- NP	KR397401	20000079774		KR	27-Aug-03	21-Dec-20	21-Dec-00	Method, Protocol And Computer Program For Operating The Site
Kartalopoulos 10 (SV)	Kartalopoulos 10 (SV)-US-NP	US6266333	09/089009		US	24-Jul-01	2-Jun-18	2-Jun-98	Network-Independent Routing Of Communication Signals
Kartalopoulos 12 (SV)	Kartalopoulos 12 (SV)-US-NP	U56577732	09/250345		US	10-Jun-03	16-Feb-19	16-Feb-99	Hierarchical Encryption Technique For Dense Wavelength Division Multiplexed Systems Using A Wavelength Bus Architecture
Kartalopoulos 13 (SV)	Kartalopoulos 13 (SV)-US-NP	US6580538	09/383702		US	17-Jun-03	26-Aug-19	26-Aug-99	Reduction Of Optical Impairments In Wavelength Division Multiplexed Systems Employing A Wavelength Bus Architecture
	Kartalopoulos 15 (S)-US-NP	US6617566	09/848134	20020038847	US	9-Sep-03	29-Nov-21	3-May-01	Apparatus And Method For Optical Pattern Detection
, ()	, , ,		·			'		,	Apparatus And Method For Temperature-
Kartalopoulos 16 (S)	Kartalopoulos 16 (S)-US-NP	US6498681	09/848135	20020163724	US	24-Dec-02	3-May-21	3-May-01	Compensating Diffraction-Based Optical Devices
Kasbekar 32-17 (PV)	Goyal 4-35-19-7 (S)-US-CNT	US6246762	09/075566		US	12-Jun-01	30-Sep-17	11-May-98	Spring Biased Microphone Sub-Assemblies
Kas bekar 32-17 (PV)	Goyal 5-36-20-8 (S)-US-CIP	US6128385	09/096759		US	3-Oct-00	30-Sep-17	12-Jun-98	Impact-Tolerant Mounting Of Acoustic Components Microphone Sub-Assemblies Using Elastomeric
Kasbekar 33-18 (PV)	Kasbekar 33-18 (PV)-US-NP	US5982882	08/940833		US	9-Nov-99	30-Sep-17	30-Sep-97	Housings
Kasprzyk 4-2 (MZ)	Kasprzyk 4-2 (MZ)-US-NP	US6016557	08/938438		US	18-Jan-00	25-Sep-17	25-Sep-97	Source Code Monitor And Method And Apparatus for Noninstusive Passive Processor Monitor
, , , , ,	Kasprzyk 5-1 (MZ)-US-NP	US5894509	08/942992		US	13-Apr-99	3-Oct-17	3-Oct-97	Telephone Office Equipment Utilization Monitor Administrative Weight Assignment For Enhanced
Katz 30-1 (HE)	Kataria 2-2-3-27 (D)-US-NP Katz 30-1 (HE)-US-NP	US6385172 US6265243	09/272720 09/280172		US	7-May-02 24-Jul-01	19-Mar-19 29-Mar-19	19-Mar-99 29-Mar-99	Network Operation Process For Fabricating Organic Circuits
	Katz 41-4 (HE)-US-DIV	US6551717	09/835613		US	22-Apr-03	29-Mar-19	16-Apr-01	Process For Fabricating Organic Circuits Silicate Material And Process For Fabricating Silicate
	Katz 32 (HE)-US-NP	US6423770	09/353898		US	23-Jul-02	15-Jul-19	15-Jul-99	Material Optical Waveguide Device and Method of
Katz 46 (HE)	Katz 46 (HE)-US-NP	US7024065	10/191135	20040008961	US	4-Apr-06	27-Nov-22	9-Jul-02	Manufacture Therefor  Access, Selection, And Downloading Of A Pre-
	Kaufman 14 (SB)-US-NP	US6035018	09/184745		US	7-Mar-00	3-Nov-18	3-Nov-98	Recorded Outgoing Greeting Message For A Voice Messaging System From An External Source
	Ke 1 (M)-US-NP  Ke 2-2-2 (M)-DE-EPA	US6094097 EP1111821	09/132339 00310940.2	EP1111821	US DE	25-Jul-00 8-Jul-15	11-Aug-18 8-Dec-20	11-Aug-98 8-Dec-00	Programmable RF Power Combiner Wireless System Combining Arrangement And Method Thereof
	Ke 2-2-2 (M)-FR-EPA	EP1111821	00310940.2	EP1111821	FR	8-Jul-15	8-Dec-20	8-Dec-00	Wireless System Combining Arrangement And Method Thereof
	Ke 2-2-2 (M)-GB-EPA	EP1111821	00310940.2	EP1111821	GB	8-Jul-15	8-Dec-20	8-Dec-00	Wireless System Combining Arrangement And Method Thereof
	Ke 2-2-2 (M)-JP-NP	JP3641204	2000387989	2001244842	JP	28-Jan-05	21-Dec-20	21-Dec-00	Wireless System Combining Arrangement And Method Thereof
(-40)	Ke 2-2-2 (M)-US-NP	US6658263	09/853075		US	2-Dec-03	21-Dec-19	21-Dec-99	Wireless System Combining Arrangement And Method Thereof

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	FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	N11E
	Ke 7 (M)	Ke 7 (M)-US-NP		09/418703		US	21-May-02	15-Oct-19	15-Oct-99	RF Impedance Selector And/Or RF Short Switch
	Kennedy 1 (IO)	Kennedy 1 (IO)-CN-PCT	ZL200680046189	200680046189 1	101326720	CN	9-May-12	8-Dec-26	8-Dec-06	Dynamic Constant Folding Of A Circuit
			EP1958332							
Extracy   1.100   Composit   200 percent									8-Dec-06	
Control   100   Control   100   BCC   Control   120   BCC   Control   Cont										
Temporal Foliation   Common   Property   Common   C	Kennedy 1 (IO)	Kennedy 1 (IO)-KR-PCT	KR101457224	20087013707		KR	27-Oct-14	8-Dec-26	8-Dec-06	Dynamic Constant Folding Of A Circuit
December   1960   Common   1860   Common   1	Kennedy 1 (IO)	Kennedy 1 (IO)-US-NP	US7471116	11/297198	20070136009	US	30-Dec-08	16-Nov-26	8-Dec-05	Dynamic Constant Folding Of A Circuit
Common   1900	Kenney 1-1-1 (DA)	Kenney 1-1-1 (DA)-US-NP	US6121965	08/953497		US	19-Sep-00	17-Oct-17	17-Oct-97	User Interface For Graphical Application Tool Non-Preemptive Memory Locking Mechanism In A
Decrease   1986   Decrease	Kermani 2 (BG)	Kermani 2 (BG)-US-NP	US6314499	09/078037		US	6-Nov-01	13-May-18	13-May-98	
Chargo   1971   Chargo   1971-198   Chargo   1971-198   Chargo	Kermani 43 (BG)	Kermani 43 (BG)-US-NP	US7475334	09/487522		US	6-Jan-09	19-Jan-20	19-Jan-00	
Change   Column   C					20050226214					
Bear 247/07   Sept 24 (1945-69)									,	Data Flow Control Between A Base Station And A Mobile Station
Bana 2-12-17 (19)   Record 2-12-17 (19)	Khan 24 (FU)	Khan 24 (FU)-US-NP	US7079856	10/117513	20040203973	US	18-Jul-06	18-Jun-23	5-Apr-02	Mobile Station
Bears   12-12 (U)   Nove 25-12 (U)   United Services   United Se	Khan 29-12-1 (FU)	Khan 29-12-1 (FU)-JP-NP	JP4410487	2003138259	2003348668	JP	20-Nov-09	16-May-23	16-May-03	Responses
Examp 2-1-12 (Fig)	Khan 29-12-1 (FU)	Khan 29-12-1 (FU)-US-NP	US7200115	10/147473	20030214935	US	3-Apr-07	1-Apr-25	17-May-02	Responses
Parent 2-1-16   Parent 2-1-16-16-709   USSPERIT BANKSHAM   USSPE	Khan 29-12-1 (FU)	Khan 29-12-1 (FU)-KR-NP	KR10971892	20030029561		KR	16-Jul-10	10-May-23	10-May-03	Responses
Anna 5-7.09	Khanna 2-5 (S)	Khanna 2-5 (S)-US-NP	US5999819	09/048384		US	7-Dec-99	26-Mar-18	26-Mar-98	For Designing Same
Banna 3-1 (3)	Khanna 3-7 (S)	Khanna 3-7 (S)-US-NP	US6094584	09/048443		US	25-Jul-00	26-Mar-18	26-Mar-98	
Marcha Sci   18   Council at	Khanna 5-1 (S)	Khanna 5-1 (S)-US-NP	1156438593	06/082786		HS	20-Aug-02	21-May-18	21-May-98	Method For Information Retrieval From Broadcast
Description	Kitalilia 5-1 (5)	Kharina 3-1 (5)-03-14	050430555	03/002/00		- 03	20-A05-02	21-Way-10	21-Way-50	Method And Apparatus For Watermarking Maps And
Name	Khanna 8-1 (S)	Khanna 8-1 (S)-US-NP	US6813368	09/707694		US	2-Nov-04	7-Nov-20	7-Nov-00	Other Structured Data Electroplating Solution For High Speed Plating Of Tin-
Dayset 1-1-1-2 (7)   Chayes 1-1-1-2 (7)-15-WP   U5327771   O3/292424   U.S. 4-0ec-O1   15-Apr-19   15-Apr-99   Chayes Assessment   NoPh-100 points (With Node-Dependent Not-Ph-100 points (With Node-Dependent Node-Ph-100 points (With Node-Dependent	Khaselev 1-1-7 (O)	Khaselev 1-1-7 (O)-US-NP	US6808614	10/050013		US	26-Oct-04	17-Jan-22	17-Jan-02	Copper Solder Electroplating Solution for High Speed Plating of Tin-
Columning 3-1-1 (DAI   Columning 3-1-1 (DAI US-NP   US6646889   59/273634   US   11-Nov-62   20-Mar-19   20-Mar-19   20-Mar-19   20-Mar-19   Columning 4-1-1 (DC)   Columning 4-1 (DC)	Khaselev 2-2-8 (O)	Khaselev 2-2-8 (O)-US-NP	US6726827	10/050014		US	27-Apr-04	17-Jan-22	17-Jan-02	Bismuth Solder Method And Apparatus For Hardware Realization
Common   C	Khayat 1-1-1-2 (Z)	Khayat 1-1-1-2 (Z)-US-NP	US6327571	09/292424		US	4-Dec-01	15-Apr-19	15-Apr-99	Process Assessment Hop-By-Hop Routing With Node-Dependent Topology
Riper 9-9 (IC)   Riper 9-9 (IC)-US-NP   US895033   11/616917   20880138639   US   31-Mar-15   22-Dec-26   28-De-06   Suppression   Riper 19-9 (IC)-US-NP   US6101567   09/69082   US   8-Aug-00   3-Jun-18   3-Jun-98   Suppression   Riper 19-9 (IC)-US-NP   US6101567   09/69082   US   8-Aug-00   3-Jun-18   3-Jun-98   Suppression   Riper 19-9 (IC)-US-NP   US630104   09/71789   US   11-De-01   11-Jul-29   11-Jul-29   11-Jul-29   Use of the state o										Optical Performance Monitoring Using A
Remain 1 (Rem)   Remain 7-1-2 (RN)   Remain 7-1-2 (RN)-US-NP   US5081501   U										Positive Optical Amplifier Power Transient
Miles   Mile	Kilper 9-9 (DC)	Kilper 9-9 (DC)-US-NP	US8995053	11/616917	20080158659	US	31-Mar-15	28-Dec-26	28-Dec-06	Suppression Parallel Backplane Physical Layer Interface With
Emery   Emer	Kim 1-6 (CH)	Kim 1-6 (CH)-US-NP	US6101567			US	8-Aug-00	3-Jun-18	3-Jun-98	Scalable Data Bandwidth Optical Wavelength Conversion Using Four Wave
Kim 6-720 (I)   Kim 6-720 (I										Ring Type Fiber Optic Protection
King 11-6 (WC)   King 11-6 (WC) US-NP   U56415158   O5/240578   U5   2-Jul-02   1-Feb-19   1-Feb-99   Radio   Method for Making An Integrated Circuit	Kim 6-7-20 (I)	Kim 6-7-20 (I)-US-NP	US6237123	08/944618		US	22-May-01	7-Oct-17	7-Oct-97	
Kiriyalii 45-97-112 (c)   Visases   Visa	King 11-6 (WC)	King 11-6 (WC)-US-NP	US6415158	09/240578		US	2-Jul-02	1-Feb-19	1-Feb-99	
Kielman 11 (RN)   Kielman 11 (RN)   Kielman 11 (RN)   USS888658   10/158807   2030232458   US   3-May-05   31-May-02   Electrostatically Actuated Devices										Method For Making An Integrated Circuit Including
Kielman 7-1-2 (RN)   Kielman 7-1-2 (RN)   Jielman					20030232458					Method And Geometry For Reduced Drift In
Kiemens 2-26 (FP)   Kiemens 2-26 (FP)   US-NP   US-916373   11/836540   20090040636   US   29-Mar-11   28-Apr-29   9-Aug-07   Structures   Structu					2000222100					Scanning Depletion Microscopy For Carrier Profiling
Klemens 2-26 (FP)   Klemens 2-26 (FP)   Klemens 2-26 (FP)   LS-NP   U5915373   1/836540   2090040636   US   29-Mar-11   28-Apr-29   9-Aug-07   Structures   Method And Apparatus For Target Applicat   Klemm 3-3 (R)   Klemm 3-3 (R)   Klemm 3-3 (R)   US657142   09/430161   US   24-Sep-02   29-Oct-19   29-Oct-99   Program Supervision   A Method And Apparatus For Merging Tele   Kliebhan 1 (DF)   Kliebhan 1 (DF)   US6134560   08/991042   US   17-Oct-00   16-Dec-17   16-Dec-97   Switching Office Databases   Adaptive Routing For Packet-Based Calls U   Adaptive Routing For Packet-Based Calls U   Academic Routing For Packet-Based Calls Routing Infrastructure   Academic Routing For Packet Routing For Routing For Packet Routing For Packet Routing For Routing	Kleiman 7-1-2 (RN)	Kleiman 7-1-2 (RN)-US-NP	US6417673	09/196489		US	9-Jul-02	19-Nov-18	19-Nov-98	Scanning Depletion Microscopy For Carrier Profiling
Kiemm 3-3 (R)   Kiemm 3-3 (R)   Kiemm 3-3 (R)   Kiemm 3-3 (R)   US-APP   US6457142   09/430161   US   24-Sep-02   29-Oct-19   29-Oct-19   A Method And Apparatus For Merging Tele	Klemens 2-26 (FP)	Klemens 2-26 (FP)-US-NP	US7916373	11/836540	20090040636	US	29-Mar-11	28-Apr-29	9-Aug-07	Tapered Reinforcing Struts For Micromachined Structures
Kilebhan 1 (DF)   Kinauft 1 (JP)   US8274964   11/820978   20080317003   US   25-Sep-12   26-Jul-31   21-Jun-07   Circuit-Based Call II (JP)   US8274964   11/820978   20080317003   US   25-Sep-12   26-Jul-31   21-Jun-07   Circuit-Based Call II (JP)   US8274964   11/820978   20080317003   US   25-Sep-12   26-Jul-31   21-Jun-07   Circuit-Based Call II (JP)   US8274964   11/820978   20080317003   US   25-Sep-12   26-Jul-31   21-Jun-07   Circuit-Based Call II (JP)   US8274964   11/820978   21-Jun-07   Circuit-Based Call II (JP)   US8274964   11/820978   21-Jun-07   Circuit-Based Call II (JP)   US8274964   US   13-Nov-01   19-Feb-18   19-Feb-98   Sequence Numbering Approach   Communication System Comprising Lightn   Communication System C	Klemm 3-3 (R)	Klemm 3-3 (R)-US-NP	US6457142	09/430161		US	24-Sep-02	29-Oct-19	29-Oct-99	
Knauft 1 (JP)   Knauft 1 (JP)-US-NP   US8274964   11/820978   2080317003   US   25-Sep-12   26-Jul-31   21-Jun-07   Circuit-Based Call Routing Infrastructure	Kliebhan 1 (DF)	Kliebhan 1 (DF)-US-NP	US6134560	08/991042		US	17-Oct-00	16-Dec-17	16-Dec-97	A Method And Apparatus For Merging Telephone Switching Office Databases
Data Unit Sizes Using AHierarchically Struc Knisely 3-4-22 (D)   US6317430   US631					20080317003					Adaptive Routing For Packet-Based Calls Using A
Knisely 3-4-22 (D)   Knisely 3-4-22 (D)   Knisely 3-4-22 (D)   US817430   O9/026361   US   13-Nov-01   19-Feb-18   19-Feb-98   Sequence Numbering Approach   Communication System Comprising Lightn   Knoedl 17-11 (G)   Knoedl 17-11 (G)-DE-EPA   EP0905927   98307239.8   EP0905927   FR   4-Apr-01   8-Sep-18   8-Sep-98   Protection   Communication System Comprising Lightn   Knoedl 17-11 (G)   Knoedl 17-11 (G)-GB-EPA   EP0905927   98307239.8   EP0905927   FR   4-Apr-01   8-Sep-18   8-Sep-98   Protection   Communication System Comprising Lightn   Knoedl 17-11 (G)   Knoedl 17-11 (G)-GB-EPA   EP0905927   98307239.8   EP0905927   GB   4-Apr-01   8-Sep-18   8-Sep-98   Protection   Communication System Comprising Lightn   Communication System Comprising Lightn   Communication System Comprising Lightn   Communication System Comprising Lightn   Knoedl 17-11 (G)   Knoedl 17-11 (G)-US-NP   US5987335   O8/937126   US   16-Nov-99   24-Sep-18   24-Sep-98   Protection   Communication System Comprising Lightn   Knoedl 17-11 (G)-US-NP   US5987335   O8/937126   US   16-Nov-99   24-Sep-17   24-Sep-97   Protection   Communication System Comprising Lightn   Knoedl 17-11 (G)-US-NP   US5987335   O8/937126   US   16-Nov-99   24-Sep-17   24-Sep-97   Protection   Communication System Comprising Lightn   Knoedl 17-11 (G)-US-NP   US584661   O8/940221   US   29-Dec-98   30-Sep-17   30-Sep-97   System And Method For Subtracting Reflection   Method And Apparatus For Text To Speech   Processing Using Language Independent Possible Language Indepe	, ,	. ,					·			ARQ Protocol Support For Variable Size Transmission
Knoed  17-11 (G)   Knoed  17-11 (G)-DE-EPA   EP0905927   98307239.8   EP0905927   DE   4-Apr-01   8-Sep-18   8-Sep-98   Protection   Communication System Comprising Lightn   Knoed  17-11 (G)   Knoed  17-11 (G)-GB-EPA   EP0905927   98307239.8   EP0905927   GB   4-Apr-01   8-Sep-18   8-Sep-98   Protection   Communication System Comprising Lightn   Knoed  17-11 (G)   Knoed  17-11 (G)-GB-EPA   EP0905927   98307239.8   EP0905927   GB   4-Apr-01   8-Sep-18   8-Sep-98   Protection   Communication System Comprising Lightn   Knoed  17-11 (G)   Knoed  17-11 (G)-PNP   JP3378202   268849/1998   JP   6-Dec-02   24-Sep-18   24-Sep-98   Protection   Communication System Comprising Lightn   Knoed  17-11 (G)   Knoed  17-11 (G)-US-NP   US5987335   08/937126   US   16-Nov-99   24-Sep-17   24-Sep-97   Protection   Communication System Comprising Lightn   Knox 44-3 (WH)   Knox 44-3 (WH)-US-NP   US6400165   09/496985   US   4-Jun-02   2-Feb-20   2-Feb-20   Ultra-Fast Probe   System And Method For Subtracting Reflection   System And Method For Subtracting Reflection   Method And Apparatus For Text To Speech   Processing Using Language Independent P   Markup	Knisely 3-4-22 (D)	Knisely 3-4-22 (D)-US-NP	US6317430	09/026361		US	13-Nov-01	19-Feb-18	19-Feb-98	Sequence Numbering Approach
Knoed  17-11 (G)   Knoed  17-11 (G)-FR-EPA   EP0905927   98307239.8   EP0905927   FR   4-Apr-01   8-Sep-18   8-Sep-98   Protection   Communication System Comprising Lightn	Knoedl 17-11 (G)	Knoedl 17-11 (G)-DE-EPA	EP0905927	98307239.8	EP0905927	DE	4-Apr-01	8-Sep-18	8-Sep-98	Protection
Knoed  17-11 (G)   Knoed  17-11 (G)-GB-EPA   EP0905927   98307239.8   EP0905927   GB   4-Apr-01   8-Sep-18   8-Sep-98   Protection   Communication System Comprising Lightn	Knoedl 17-11 (G)	Knoedl 17-11 (G)-FR-EPA	EP0905927	98307239.8	EP0905927	FR	4-Apr-01	8-Sep-18	8-Sep-98	
Knoed  17-11 (G)   Knoed  17-11 (G)-IP-NP   IP3378202   268849/1998   JP   6-Dec-02   24-Sep-18   24-Sep-98   Protection   Communication System Comprising Lightn   Knoed  17-11 (G)-IJ-NP   US5987335   08/937126   US   16-Nov-99   24-Sep-17   24-Sep-97   Protection   Communication System Comprising Lightn   Knox 44-3 (WH)   Knox 44-3 (WH)-US-NP   US6400165   09/496985   US   4-Jun-02   2-Feb-20   2-Feb-20   Ultra-Fast Probe   System And Method For Subtracting Reflect   System And Method For Subtracting Reflect   System And Method And Apparatus For Text To Speech   Method And Apparatus For Text To Speech   Processing Using Language Independent P   Markup   Mark	Knoedl 17-11 (G)	Knoedl 17-11 (G)-GB-EPA	EP0905927	98307239.8	EP0905927	GB	4-Apr-01	8-Sep-18	8-Sep-98	
Knoedi 17-11 (G)   Knoedi 17-11 (G)-US-NP   US5987335   08/937126   US   16-Nov-99   24-Sep-17   24-Sep-97   Protection	Knoedl 17-11 (G)	Knoedl 17-11 (G)-JP-NP	JP3378202	268849/1998		JP	6-Dec-02	24-Sep-18	24-Sep-98	
Kochanski 43 (GP) Kochanski 43 (GP)-US-NP US5854661 08/940221 US 29-Dec-98 30-Sep-17 30-Sep-97 System And Method For Subtracting Reflect Images From A Display Screen Method And Apparatus For Text To Speech Processing Using Language Independent Processing Using										Protection
Method And Apparatus For Text To Speech Processing Using Language Independent Planck S7-4 (GP) Kochanski 57-4 (GP)-JP-DIV JP5634466 2012201342 2013011902 JP 24-Oct-14 5-Sep-21 5-Sep-01 Markup										System And Method For Subtracting Reflection
		, ,		-				35-30p-17		Method And Apparatus For Text To Speech Processing Using Language Independent Prosody
Kodialam 1-5-1 (MS) Kodialam 1-5-1 (MS) - Kodialam 1-5-1 (MS)-DE-EPA EP1014627 99309837.5 EP1014627 DE 4-Apr-07 7-Dec-19 7-Dec-99 Constrained Shortest Path Routing Method										·
										Constrained Shortest Path Routing Method
										Constrained Shortest Path Routing Method  Constrained Shortest Path Routing Method

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	MATE
Kodialam 1-5-1 (MS)	Kodialam 1-5-1 (MS)-KR-NP	KR659920	19990059748		KR	14-Dec-06	21-Dec-19	21-Dec-99	Constrained Shortest Path Routing Method
Kodialam 1-5-1 (MS)	Kodialam 1-5-1 (MS)-US-NP	US6321271	09/218576		US	20-Nov-01	22-Dec-18	22-Dec-98	Constrained Shortest Path Routing Method
									Characterizing Achievable Flow Rates In Multi-Hop
Kodialam 39-6 (MS)	Kodialam 39-6 (MS)-US-NP	US7660315	11/194748	20070025364	US	9-Feb-10	6-Oct-27	1-Aug-05	Mesh Networks With Orthogonal Channels
Kodialam 4-10 (MS)	Kodialam 4-10 (MS)-US-NP	US6584071	09/366620		US	24-Jun-03	3-Aug-19	3-Aug-99	Routing With Service Level Guarantees Between Ingress-Egress Points In A packet Network
, ,	,							J	Method And Apparatus For Link Transmission Scheduling For Handling Traffic Variation In Wireless
Kodialam 43-48-12 (MS)	Kodialam 43-48-12 (MS)-IN-PCT		5027/CHENP/2008	5027/CHENP/2008	IN		19-Mar-27	19-Mar-07	Mesh Networks Method And Apparatus For Link Transmission
Kodialam 43-48-12 (MS)	Kodialam 43-48-12 (MS)-KR-PCT	KP101355010	20087023839		KR	17-Jan-14	19-Mar-27	19-Mar-07	Scheduling For Handling Traffic Variation In Wireless Mesh Networks
Kodialaiii 43-40-12 (WS)	Rodialan 43-40-12 (WS)-KR-1 CT	KK101333010	20007023033		KIX	17-341114	13-Wai-27	15-14181-07	Method And Apparatus For Link Transmission Scheduling For Handling Traffic Variation In Wireless
Kodialam 43-48-12 (MS)	Kodialam 43-48-12 (MS)-US-NP	US7729257	11/394372	20070237081	US	1-Jun-10	4-Jan-29	30-Mar-06	Mesh Networks
Kadialan, 42 40 12 (MC)	Kadialaw 42 40 12 (MC) CD CDT		07752200.4	ED1000550			10 14 27	10 Mrs 07	Method And Apparatus For Link Transmission Scheduling For Handling Traffic Variation In Wireless
Kodialam 43-48-12 (MS)	Kodialam 43-48-12 (MS)-EP-EPT		07753389.1	EP1999669	EP		19-Mar-27	19-Mar-07	Mesh Networks Estimation Of the Cardinality Of A Set Of Wireless
Kodialam 46-9 (MS)	Kodialam 46-9 (MS)-JP-PCT	JP5031841	2009529193	2010503940	JP	6-Jul-12	12-Sep-27	12-Sep-07	Devices Estimation Of the Cardinality Of A Set Of Wireless
Kodialam 46-9 (MS)	Kodialam 46-9 (MS)-CN-PCT	ZL80034591.2	200780034591.2	101517972	CN	29-Feb-12	12-Sep-27	12-Sep-07	Devices Estimation Of the Cardinality Of A Set Of Wireless
Kodialam 46-9 (MS)	Kodialam 46-9 (MS)-DE-EPT	EP2067310	07838164.7	EP2067310	DE	19-Dec-12	12-Sep-27	12-Sep-07	Devices Estimation Of the Cardinality Of A Set Of Wireless
Kodialam 46-9 (MS)	Kodialam 46-9 (MS)-FR-EPT	EP2067310	07838164.7	EP2067310	FR	19-Dec-12	12-Sep-27	12-Sep-07	Devices Estimation Of the Cardinality Of A Set Of Wireless
Kodialam 46-9 (MS)	Kodialam 46-9 (MS)-GB-EPT	EP2067310	07838164.7	EP2067310	GB	19-Dec-12	12-Sep-27	12-Sep-07	Devices Estimation Of the Cardinality Of A Set Of Wireless
Kodialam 46-9 (MS)	Kodialam 46-9 (MS)-IN-PCT		1487/CHENP/2009	1487/CHENP/2009	IN		12-Sep-27	12-Sep-07	Devices Estimation Of the Cardinality Of A Set Of Wireless
Kodialam 46-9 (MS)	Kodialam 46-9 (MS)-US-NP	US7688180 ZL200780036105	11/525339	20080079544	US	30-Mar-10	12-Dec-28	22-Sep-06	Devices
Kodialam 47-16-10 (MS)	Kodialam 47-16-10 (MS)-CN-PCT	.0	200780036105.0	101554015	CN	21-Nov-12	24-Sep-27	24-Sep-07	Anonymous Tracking Using A Set Of Wireless Devices
Kodialam 47-16-10 (MS)	Kodialam 47-16-10 (MS)-DE-EPT	EP2074749	07838717.2	EP2074749	DE	23-Jul-14	24-Sep-27	24-Sep-07	Anonymous Tracking Using A Set Of Wireless Devices
Kodialam 47-16-10 (MS)	Kodialam 47-16-10 (MS)-FR-EPT	EP2074749	07838717.2	EP2074749	FR	23-Jul-14	24-Sep-27	24-Sep-07	Anonymous Tracking Using A Set Of Wireless Devices
Kodialam 47-16-10 (MS)	Kodialam 47-16-10 (MS)-GB-EPT	EP2074749	07838717.2	EP2074749	GB	23-Jul-14	24-Sep-27	24-Sep-07	Anonymous Tracking Using A Set Of Wireless Devices
Kodialam 47-16-10 (MS)	Kodialam 47-16-10 (MS)-IN-PCT		1579/CHENP/2009	1579/CHENP/2009	IN		24-Sep-27	24-Sep-07	Anonymous Tracking Using A Set Of Wireless Devices
Kodialam 47-16-10 (MS)	Kodialam 47-16-10 (MS)-JP-PCT	JP4906923	2009530380	2010505346	JP	20-Jan-12	24-Sep-27	24-Sep-07	Anonymous Tracking Using A Set Of Wireless Devices
Kodialam 47-16-10 (MS)	Kodialam 47-16-10 (MS)-US-NP	US8299900	11/824469	20080074238	US	30-Oct-12	4-Apr-31	29-Jun-07	Anonymous Tracking Using A Set Of Wireless Devices Constraint-Based Routing Between Ingress-Egress
Kodialam 5-11 (MS)	Kodialam 5-11 (MS)-US-NP	US6538991	09/366619		US	25-Mar-03	3-Aug-19	3-Aug-99	Points In A Packet Network Routing Of Bandwidth Guaranteed Paths With
Kodialam 6-12 (MS)	Kodialam 6-12 (MS)-US-NP	US7124187	09/535206		US	17-Oct-06	27-Mar-20	27-Mar-00	Restoration In An Information Network
Koeppe 1 (EC)	Koeppe 1 (EC)-US-NP	US6377858	08/942472		US	23-Apr-02	2-Oct-17	2-Oct-97	A System And Method For Recording And Controlling On/Off Events Of Devices Of A Dwelling
Kogelník 38-18-23 (HW)	Kogelnik 38-18-23 (HW)-US-NP	US6684031	09/099503		US	27-Jan-04	18-Jun-18	18-Jun-98	Ethernet Fiber Access Communications System
Kogelnik 45-6 (HW)	Kogelnik 45-6 (HW)-US-NP	US6538787	09/404892		US	25-Mar-03	24-Sep-19	24-Sep-99	Apparatus And Method For Polarization Mode Dispersion Emulation And Compensation
Kohli 1-1-5-1 (M)	Kohli 1-1-5-1 (M)-US-NP	US7213068	09/710551		US	1-May-07	26-Apr-24	9-Nov-00	Policy Management System
	Kola 10-13-9 (RR)-US-NP	US6005197	08/918216		US	21-Dec-99	25-Aug-17		Embedded Thin Film Passive Components
Kolesnikov 2-1 (V)	Kolesnikov 2-1 (V)-US-NP	US8175854	12/218293	20090140767	us	8-May-12	14-Feb-31	14-Jul-08	Universal Circuit For Secure Function Evaluation
KOIESHIKOV 2-1 (V)	KOIESTIKOV Z*I (V)*OS*NF	038173834	12/218233	20030140707	0.5	8-iviay-12	14-760-31	14-301-08	
Kolesnikov 5 (V)	Kolesnikov 5 (V)-US-NP	US8923519	12/455193	20100306543	US	30-Dec-14	30-Jun-33	29-May-09	Method Of Efficient Secure Function Evaluation Using Resettable Tamper-Resistant Hardware Tokens
Kalaasilass E 0.0	Kelessilian C 0.0 ED EDT		10724515.7	ED2425046	- FD		25 M 20	25 May 10	A Method Of Efficient Secure Function Evaluation
Kolesnikov 5 (V)	Kolesnikov 5 (V)-EP-EPT	71.101.0505.1.1	10724616.7	EP2435946	EP	201140	25-May-30	25-May-10	Using Resettable Tamper-Resistant Hardware Tokens Utilization Of Overhead Channel Quality Metrics In A
Kong 11-6 (H)	Kong 11-6 (H)-CN-NP	ZL10106954.1	200510106954.1	CN1756436A	CN	28-Jul-10	29-Sep-25	29-Sep-05	Cellular Network Utilization Of Overhead Channel Quality Metrics In A
Kong 11-6 (H)	Kong 11-6 (H)-DE-EPA	EP1643700	05255912.7	EP1643700	DE	31-Oct-07	22-Sep-25	22-Sep-05	Cellular Network Utilization Of Overhead Channel Quality Metrics In A
Kong 11-6 (H)	Kong 11-6 (H)-FR-EPA	EP1643700	05255912.7	EP1643700	FR	31-Oct-07	22-Sep-25	22-Sep-05	Cellular Network Utilization Of Overhead Channel Quality Metrics In A
Kong 11-6 (H)	Kong 11-6 (H)-GB-EPA	EP1643700	05255912.7	EP1643700	GB	31-Oct-07	22-Sep-25	22-Sep-05	Cellular Network Utilization Of Overhead Channel Quality Metrics In A
Kong 11-6 (H)	Kong 11-6 (H)-JP-DIV	JP5399536	2012142579	2012249299	JP	1-Nov-13	29-Sep-25	29-Sep-05	Cellular Network Utilization Of Overhead Channel Quality Metrics In A
Kong 11-6 (H)	Kong 11-6 (H)-JP-NP	JP5105732	2005283223	2006109458	JP JP	12-Oct-12	29-Sep-25	29-Sep-05	Cellular Network Utilization Of Overhead Channel Quality Metrics In A
Kong 11-6 (H)	Kong 11-6 (H)-KR-NP	KR101111157	20050092020	20050077	KR	25-Jan-12	30-Sep-25	30-Sep-05	Cellular Network Utilization Of Overhead Channel Quality Metrics In A
Kong 11-6 (H)	Kong 11-6 (H)-US-NP	US9084199	10/954755	20060072508	US	14-Jul-15	9-Apr-29	30-Sep-04	Cellular Network Method Of Interference Cancellation In
Kong 1-6-8-7-1-1 (H)	Kong 1-6-8-7-1-1 (H)-US-NP	US7385944	10/401594	20040192208	US	10-Jun-08	14-Nov-25	31-Mar-03	Communication Systems Systems And Method For Measuring The
Konik 7-1-1 (WS)	Konik 7-1-1 (WS)-US-NP	US6011616	09/166060		US	4-Jan-00	2-Oct-18	2-Oct-98	Concentricity Of A Core To A Ferrule
Konstantinou 1-2-1 (K)	Konstantinou 1-2-1 (K)-US-NP	US6584201	09/111225		US	24-Jun-03	7-Jul-18	7-Jul-98	Remote Automatic Volume Control Apparatus Service Restriction Control For Mobile
Koo 11-12-1 (YL)	Koo 11-12-1 (YL)-US-NP	US6889040	09/686024		US	3-May-05	11-Oct-20	11-Oct-00	Communications
1	Koonen 2 (AMJ)-US-NP	US5978117	08/920716		US	2-Nov-99	29-Aug-17	29-Aug-97	Dynamic Reconfiguration of a Wireless Network Using Flexible Wavelength Multiplexing

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION	TITLE
		US6574686	09/444154					20-Nov-99	Method For Overcoming Faults In An ATM I/O
Koppol 1-1 (PV)	Koppol 1-1 (PV)-US-NP				US	3-Jun-03	20-Nov-19		Module And Lines Connected Thereto Article Comprising An Inductive Element With A
Korenivski 2-23 (V)	Korenivski 2-23 (V)-US-NP	US5847634	08/902686		US	8-Dec-98	30-Jul-17	30-Jul-97	Magnetic Thin Film Technique For Conducting A Game Over a
Korilis 4-1 (IA) Korisch 4-12 (IA)	Korilis 4-1 (IA)-US-NP Korisch 4-12 (IA)-US-NP	US6335744 US5986608	09/120380 09/054006		US US	1-Jan-02 16-Nov-99	21-Jul-18 2-Apr-18	21-Jul-98 2-Apr-98	Communication Network  Antenna Coupler For Portable Telephone
									Antenna Package For A Wireless Communications
Korisch 7-14-1-38 (IA)	Korisch 7-14-1-38 (IA)-US-NP	US6285324	09/396948		US	4-Sep-01	15-Sep-19	15-Sep-99	Device
Kornblit 12-1-7-9 (A) Kornblit 18-14-12-2-5-1-16	Kornblit 12-1-7-9 (A)-US-NP Kornblit 18-14-12-2-5-1-16 (A)-	US6021215	08/948708		US	1-Feb-00	10-Oct-17	10-Oct-97	Dynamic Data Visualization  Method And Apparatus For Controlling Friction
(A) Kornblit 18-14-12-2-5-1-16	US-NP Kornblit 22-51-20-4-40-13-25	US7156032	10/649285	20050039661	US	2-Jan-07	27-Aug-23	27-Aug-03	Between A Fluid And A Body Method And Apparatus For Controlling Friction
(A)	(A)-US-DIV	US7455021	11/518694	20080236473	US	25-Nov-08	22-Aug-23	11-Sep-06	Between A Fluid And A Body
Kossor 3 (MG)	Kossor 3 (MG)-US-NP	US6430403	09/329324		US	6-Aug-02	10-Jun-19	10-Jun-99	Temperature Compensated, Zero Bias RF Detector Circuit
									Methods And Systems For Providing Wide-Band
Kott 4-31 (JJ)	Kott 4-31 (IJ)-US-NP	US7236484	10/200368	20040013122	US	26-Jun-07	30-May-25	22-Jul-02	Voice Service Via A Telephone Switch System
Kovacevic 6-1 (J)	Kovacevic 13-6 (J)-US-DIV	US6249797	09/253410		US	19-Jun-01	29-Jul-17	17-Feb-99	Interpolating Filter Banks In Arbitrary Dimensions
Kovacevic 6-1 (J)	Kovacevic 6-1 (J)-US-NP	US6018753	08/902557		US	25-Jan-00	29-Jul-17	29-Jul-97	Interpolating Filter Banks In Arbitrary Dimensions
Kpodzo 1-1 (EB) Krause 12 (DL)	Kpodzo 1-1 (EB)-US-NP Krause 12 (DL)-US-NP	US6384695 US6467980	09/264051 09/478227	20010040486	US US	7-May-02 22-Oct-02	8-Mar-19 6-Jan-20	8-Mar-99 6-Jan-00	High Power Combiner Apparatus  Apparatus For Cleaning Optical Fiber Endfaces
									Compact Apparatus For Cleaning Optical Fiber
Krause 13-1 (DL)	Krause 13-1 (DL)-US-NP	US6560811	09/638330		US	13-May-03	14-Aug-20	14-Aug-00	Endfaces Survivable Distribution Of Broadcast Signals In
Kremer 14 (W)	Kremer 14 (W)-US-NP	US6807190	09/318385		US	19-Oct-04	25-May-19	25-May-99	Loopback Rings
Kriaras 3-11-9-7 (I) Krishnamoorthy 10-2-11-12-	Kriaras 3-11-9-7 (I)-US-NP Krishnamoorthy 10-2-11-12-9	US7149194	09/854962	20020015394	US	12-Dec-06	30-Nov-23	14-May-01	Telephone Systems
9 (R)	(R)-CN-NP	ZL00121704.6	00121704.6	CN1283005A	CN	25-Feb-04	25-Jul-20	25-Jul-00	Demodulation Method For Receiver
9 (R)	Krishnamoorthy 10-2-11-12-9 (R)-DE-EPA	EP1073229	00306079.5	EP1073229	DE	4-Sep-02	17-Jul-20	17-Jul-00	Demodulation Method For Receiver
Krishnamoorthy 10-2-11-12- 9 (R)	Krishnamoorthy 10-2-11-12-9 (R)-FI-EPA	EP1073229	00306079.5	EP1073229	FI	4-Sep-02	17-Jul-20	17-Jul-00	Demodulation Method For Receiver
Krishnamoorthy 10-2-11-12- 9 (R)	Krishnamoorthy 10-2-11-12-9 (R)-FR-EPA	EP1073229	00306079.5	EP1073229	FR	4-Sep-02	17-Jul-20	17-Jul-00	Demodulation Method For Receiver
	Krishnamoorthy 10-2-11-12-9 (R)-GB-EPA	EP1073229	00306079.5	EP1073229	GB	4-Sep-02	17-Jul-20	17-Jul-00	Demodulation Method For Receiver
Krishnamoorthy 10-2-11-12-	Krishnamoorthy 10-2-11-12-9			LF 107 3223					
9 (R) Krishnamoorthy 10-2-11-12-	(R)-KR-NP Krishnamoorthy 10-2-11-12-9	KR759235	20000043301		KR	11-Sep-07	27-Jul-20	27-Jul-00	Demodulation Method For Receiver
9 (R) Krishnamoorthy 10-2-11-12-	(R)-SE-EPA Krishnamoorthy 10-2-11-12-9	EP1073229	00306079.5	EP1073229	SE	4-Sep-02	17-Jul-20	17-Jul-00	Demodulation Method For Receiver
9 (R)	(R)-US-NP Krishnamoorthy 22-25 (AV)-US-	US6782037	09/361317		US	24-Aug-04	27-Jul-19	27-Jul-99	Demodulation Method For Receiver
Krishnamoorthy 22-25 (AV)	NP	US6498798	09/298309		US	24-Dec-02	23-Apr-19	23-Apr-99	Priority-Based Statistical Multiplexer-Hub
Krishnamoorthy 27-21-15 (AV)	Krishnamoorthy 27-21-15 (AV)- US-NP	US7295554	09/521693		US	13-Nov-07	9-Mar-20	9-Mar-00	Word Multiplexing Of Encoded Signals Into A Higher Bit Rate Serial Data Stream
Krishnamoorthy 32 (AV)	Krishnamoorthy 32 (AV)-US-NP	US6977950	09/450054		US	20-Dec-05	29-Nov-19	29-Nov-99	Power Distribution Network For Optoelectronic Circuits
Krishnamoorthy 6-8-3 (R)	Krishnamoorthy 6-8-3 (R)-JP-NP	JP3727510	2000144726		JP	7-Oct-05	17-May-20	17-May-00	Control Channel For Time Division Multiple Access Systems
	Krishnamoorthy 6-8-3 (R)-KR-NP		20000026078		KR	12-Nov-07	16-May-20	16-May-00	Control Channel For Time Division Multiple Access Systems
									Control Channel For Time Division Multiple Access
	Krishnamoorthy 6-8-3 (R)-TW-NP		89109285	510093	TW	3-Apr-03	15-May-20	15-May-00	Systems  Control Channel For Time Division Multiple Access
Krishnamoorthy 6-8-3 (R) Krishnamoorthy 9-1-10-11-8	Krishnamoorthy 6-8-3 (R)-US-NP Krishnamoorthy 9-1-10-11-8 (R)-	US6839334	09/312793		US	4-Jan-05	17-May-19	17-May-99	Systems
(R)	CN-NP Krishnamoorthy 9-1-10-11-8 (R)-	ZL00121705.4	00121705.4	CN1283004A	CN	14-Jan-09	25-Jul-20	25-Jul-00	Modulation Method For Transmitter
(R)	DE-EPA	EP1073302	00306063.9	EP1073302	DE	13-Oct-04	17-Jul-20	17-Jul-00	Modulation Method For Transmitter
(R)	Krishnamoorthy 9-1-10-11-8 (R)- FI-EPA	EP1073302	00306063.9	EP1073302	FI	13-Oct-04	17-Jul-20	17-Jul-00	Modulation Method For Transmitter
Krishnamoorthy 9-1-10-11-8 (R)	Krishnamoorthy 9-1-10-11-8 (R)- FR-EPA	EP1073302	00306063.9	EP1073302	FR	13-Oct-04	17-Jul-20	17-Jul-00	Modulation Method For Transmitter
Krishnamoorthy 9-1-10-11-8 (R)	Krishnamoorthy 9-1-10-11-8 (R)- GB-EPA	EP1073302	00306063.9	EP1073302	GB	13-Oct-04	17-Jul-20	17-Jul-00	Modulation Method For Transmitter
Krishnamoorthy 9-1-10-11-8	Krishnamoorthy 9-1-10-11-8 (R)-		09/361430				27-Jul-19		
	US-NP Krishnamoorthy 9-1-10-11-8 (R)-	US6490270			US	3-Dec-02		27-Jul-99	Modulation Method For Transmitter
	CA-NP Krishnamoorthy 9-1-10-11-8 (R)-	CA2313817	2313817		CA	15-Feb-05	12-Jul-20	12-Jul-00	Modulation Method For Transmitter
(R)	KR-NP	KR738823	20000043300		KR	6-Jul-07	27-Jul-20	27-Jul-00	Modulation Method For Transmitter
Krishnamurthy 1 (SM)	Krishnamurthy 1 (SM)-US-NP	US8345847	11/802892	20080292076	US	1-Jan-13	30-Oct-31	25-May-07	System And Method For Call Hibernation
Krishnan 3-2-5 (P)	Krishnan 3-2-5 (P)-DE-EPA	EP1006701	99309593.4	EP1006701	DE	8-Jul-09	30-Nov-19	30-Nov-99	Adaptive Re-Ordering Of Data Packet Filter Rules
Krishnan 3-2-5 (P)	Krishnan 3-2-5 (P)-FR-EPA	EP1006701	99309593.4	EP1006701	FR	8-Jul-09	30-Nov-19	30-Nov-99	Adaptive Re-Ordering Of Data Packet Filter Rules
Krishnan 3-2-5 (P)	Krishnan 3-2-5 (P)-GB-EPA	EP1006701	99309593.4	EP1006701	GB	8-Jul-09	30-Nov-19	30-Nov-99	Adaptive Re-Ordering Of Data Packet Filter Rules
Krishnan 3-2-5 (P)	Krishnan 5-7-8 (P)-US-CNT	US6606710	10/179460	20030051165	US	12-Aug-03	3-Dec-18	24-Jun-02	Adaptive Re-Ordering Of Data Packet Filter Rules
Krishnan 4-1-1-1 (P)	Krishnan 4-1-1-1 (P)-US-NP	US6621798	09/418524		US	16-Sep-03	14-Oct-19	14-Oct-99	Method To Sequence Changes For IP Network Configuration
Kroupenkine 6-4-41-8 (TN)	Kroupenkine 6-4-41-8 (TN)-US- NP	US6829415	10/231614	20040042721	US	7-Dec-04	30-Aug-22	30-Aug-02	Optical Waveguide Devices With Electro-Wetting Actuation
Ksiazek 1 (PD)	Ksiazek 1 (PD)-US-NP	US6597765	09/105932		us	22-Jul-03	26-Jun-18	26-Jun-98	System And Method For Multiple Language Access In A Telephone Network
REGISTRAL (1 D)			/100006		33	22 301-03	25 3311-15	20 3011-30	Battery Rack Having Low Resistance Compartment
Kuipers 5 (R)	Kuipers 5 (R)-US-NP	US5890606	08/890898		US	6-Apr-99	10-Jul-17	10-Jul-97	Dividers And Methods Of Operation And Manufacture Thereof
									Video Hand Image-Three-Dimensional Computer
Kumar 2-13 (S) Kumar 3-5-4 (S)	Kumar 2-13 (S)-US-NP Kumar 3-5-4 (S)-DE-EPA	US6147678 EP0899981	09/208196 98306550.9	EP0899981	US DE	14-Nov-00 8-May-02	9-Dec-18 18-Aug-18	9-Dec-98 18-Aug-98	Interface With Multiple DegreesOf Freedom  A Method For Performing A Soft Handoff
norrial 3-3-4 (3)	nome 3 3 4 (3)-DE-CFA	121 0033301	5.0000000	LI 0023301	D.	5 Iviay*UZ	10-Mug-10	10-Mug-30	A SOIL HANDON

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

Emmission   Comparison   Comp		CASE	GRANT	APPLICATEON	RUBLEGATEON	:::::::::::::::::::::::::::::::::::::::	rssue	EXPERATION	ARRUGATIONS	
Compact   1-10	***************************************			*************************						
Empty 2-1-22   15   15   15   15   15   15   15										
Lames 14-10   Comp + 14-10-10-14   Open 52-10-16-17   Open 52-10-16-	Kumar 3-5-4 (S)	Kumar 3-5-4 (S)-GB-EPA	EP0899981	98306550.9	EP0899981	GB	8-May-02	18-Aug-18	18-Aug-98	A Method For Performing A Soft Handoff
Emergla   15   Emer					EP0899981					
Emerg 2-2-101   Control 1-1 (1-1-1-1)   Control 1-1	Kumar 3-5-4 (5)	Kumar 3-5-4 (5)-U5-NP	056097954	08/920779		US	1-Aug-00	29-Aug-17	29-Aug-97	Gesture-Based Input Interface System With Shadow
Compact   Comp	Kumar 5-15 (S)	Kumar 5-15 (S)-US-NP	US6624833	09/551041		US	23-Sep-03	17-Apr-20	17-Apr-00	Detection
	Kumar 5-6-5 (S)	Kumar 5-6-5 (S)-US-NP	US6507568	08/918996	20010043578	US	14-Jan-03	27-Aug-17	27-Aug-97	Ennanced Access In Wireless Communication Systems Under Rapidly Fluctuating Fading Conditions
Company   15   15   15   15   15   15   15   1	Kumaran 14-1 (K)	Kumaran 14-1 (K)-US-NP	US7136352	09/999302	20020097716	US	14-Nov-06	31-May-24	31-Oct-01	Method And Apparatus For Processing Of Regulated Connections In A Communication Network
Emerand 6 (1)	Kumaran 16-2 (K)	Kumaran 16-2 (K)-US-NP	US7158804	10/305614	20040102202	US	2-Jan-07	16-May-24	27-Nov-02	Uplink Scheduling for Wireless Networks
Company   1 (Company   1 (Com	, ,	• ,								Method For Partitioning Mobile Stations of a
Company 6-2 (c)   Company 6-	Kumaran 8-3 (K)	Kumaran 8-3 (K)-DE-EPA	EP0993210	99307653.8	EP0993210	DE	30-Jan-02	28-Sep-19	28-Sep-99	Overlay
Communic   2 (c)   Communic	Kumaran 8-3 (K)	Kumaran 8-3 (K)-FR-EPA	EP0993210	99307653.8	EP0993210	FR	30-Jan-02	28-Sep-19	28-Sep-99	Wireless Network Between an Overlay and an Overlay
Common h 1   Com	Kumaran 8-3 (K)	Kumaran 8-3 (K)-GB-EPA	EP0993210	99307653.8	EP0993210	GB	30-Jan-02	28-Sep-19	28-Sep-99	Wireless Network Between an Overlay and an
Emish-5 (NO)										Wireless Network Between an Overlay and an
Biol	Kumaran 8-3 (K)	Kumaran 8-3 (K)-US-NP	US6405046	09/369687		US	11-Jun-02	6-Aug-19	6-Aug-99	Overlay Method And Apparatus For Inter-Frequency Hand-Off
Co. 8-5-3 (W)   No. 8-5-5 (W)   No. 8-5	Kuo 8-5-5 (W)	Kuo 8-5-5 (W)-JP-NP	JP3574945	87948/1999	11331912	JP	16-Jul-04	30-Mar-19	30-Mar-99	
Local Sci (VI)   Control   Contro	Kuo 8-5-5 (W)	Kuo 8-5-5 (W)-KR-NP	KR447694	19990010931		KR	30-Aug-04	30-Mar-19	30-Mar-99	
Excised 21-3 (RP) 10-5-2 (PP)	Kuo 9 E E (M)	Kun 9 E E /W/LUC ND	1156191042	00/050535		LIC	30 Jan 01	20 Mar 19	20 Mar 09	Method And Apparatus For Inter-Frequency Hand-Off
Lane 5-2-7 (No. 19-9-2-7 (No. 19-9-19-19-99)   Decision   Decisi	Ku0 8-5-5 (W)	KUO 8-3-3 (W)-U5-INP	056181943	09/030333		05	30-Jan-01	3U-War-18	30-War-98	Methodology Of Reducing Areas With Multiple Dominant Pilots By Rotating The Sectored Antenna
Eurobas 21-3 (69)   Euro										Pointing Direction Common Access Code Routing Using Subscriber
Commons   1-4 (MP)   Common   2-1 (MP)   Laboration   1-4 (MP)   Laboration	Kurdukar 2 (PJ)	Kurdukar 2 (PJ)-US-NP	US6668050	09/391098		US	23-Dec-03	/-Sep-19	7-Sep-99	Directory Number
Method and Appoints For Visice Over Pietr   Commission	Kurshan 21-3 (RP)	Kurshan 21-3 (RP)-US-NP	US6311293	09/211582		US	30-Oct-01	14-Dec-18	14-Dec-98	Detecting Of Model Errors Through Simplification Of Model Via State Reachability Analysis
Rotac 1.5 (GS)   Kuth c 1.5 (GS)   March   15 (GS)   March   15 (GS)   March   15 (GS)   March   16	Kurshan 23-2-2-6-2 (RP)	Kurshan 23-2-2-6-2 (RP)-US-NP	US6295515	09/172460		US	25-Sep-01	14-Oct-18	14-Oct-98	
Kutter (RW) Kutter (RW) Kutter (RW) (Kutter (RW) (Kutter (RW) (Kutter (RW) (RW) (RW) (RW) (RW) (RW) (RW) (RW)	Kutac 1-5 (GS)	Kutac 1-5 (GS)-US-NP	US7224687	10/087565	20030161295	US	29-May-07	1-Aug-24	28-Feb-02	Address Translation
Eurominsky 8 (A)   Eurominsky 8 (A)   Eurominsky 8 (A)-US-NP   US7599714   11/241896   20070077868   US   6-Oct-06   7-Oct-27   30-Sep-05   Arra Network   Autominsky 9 (A)   Eurominsky 9 (A)   Euromins	K-10-1 (DUG	V 4 - 2 (DM) 15 ND		40 (4 3 3 0 5 0			43 5-b 67	20.45.25	25 4 02	Interconnecting Packet-Capable Time Division Multiplexed Switches With Non-Packet-Capable Time Division Multiplexed Switches Via An Asynchronous
Kuminsky 9 (A)   Kumi	Kutter I (KW)	Kutter 1 (KW)-US-NP	US/1//3US	10/133958		US	13-FED-U/	29-Apr-25	25-Apr-U2	Increasing The Range of Access Point Cells For A
Kurminskiy 9 (A)   GB   FPA   EP0640390   GB   14-Ap-10   10-Aug-27   30-Aug-07   Multiple-Artenna Interference Cancellation   Kwong 5-2-4-1 (MK)-US-NP   U57889873   11/135252   20060265629   US   30-Mar-10   28-Jan-29   23-May-05   Language for Development Of Test Harries F   Kwong 6-3-5-2 (MK)-US-NP   U5702958   11/135707   20060271824   US   20-Ap-10   26-Ap-27   24-May-05   Each Recording Tool for Development Of Test Harries F   Kwong 7-46-3 (MK)-US-NP   U57898806   11/135696   20060271830   US   13-Iel-11   3-Jan-27   24-May-05   Each Recording Tool for Development Of Test Harries F   Kwong 7-46-3 (MK)-US-NP   U57898806   11/135696   20060271830   US   13-Iel-11   3-Jan-27   24-May-05   Each Recording Tool for Developming Test Harries F   Each Record Tool F   Each Recording Tool for Developming Test Harries F   Each Recording Tool F   Each Recording Tool F   Each Recording T	Kuzminskiy 8 (A)	Kuzminskiy 8 (A)-US-NP	US7599714	11/241896	20070077968	US	6-Oct-09	7-Oct-27	30-Sep-05	Given Throughput In A Downlink Of A Wireless Local Area Network
Kurminssky 9 (A)   Kwong 5-24-1 (MK)   Kwong 6-35-2 (MK)   Kwong 6-35-2 (MK)   Kwong 6-35-2 (MK)   Kwong 6-35-2 (MK)   Kwong 7-46-3 (MK)   Kwong 7-46-	Kuzminskiy 9 (A)	Kuzminskiy 9 (A)-DE-EPA	EP2040390	07115327.4	EP2040390	DE	14-Apr-10	30-Aug-27	30-Aug-07	Multiple-Antenna Interference Cancellation
Kurminssky 9 (A)   Kwong 5-24-1 (MK)   Kwong 6-35-2 (MK)   Kwong 6-35-2 (MK)   Kwong 6-35-2 (MK)   Kwong 6-35-2 (MK)   Kwong 7-46-3 (MK)   Kwong 7-46-	Kuzminskiy 9 (A)	Kuzminekiy 9 (A)-FR-FPA	EP2040390	07115327 4	EP2040390	FR	14-Apr-10	30-Aug-27	30-Aug-07	Multiple, Antenna Interference Cancellation
Kwong 5:2-4-1 (MK)   Kwong 5:2-4-1 (MK)   US7898973   11/135252   20660265629   US   30-Mar-10   28-Jan-29   23-May-05   Language for Development Of Fest Farriers F   Kwong 6-3-5-2 (MK)   US702958   11/135707   20660271824   US   20-Apr-10   26-Apr-27   24-May-05   Files   Auth-Recording Tool for Developing Test Farriers F   Kwong 7-4-6-3 (MK)   Kwong 7-4-6-3 (MK)   US7898060   11/135666   20660271830   US   15-Feb-11   3-Jan-27   24-May-05   Files   Auth-Recording Tool for Developing Test Farriers F   La Bombard 2-9 (BM)   La Bombard 2-9 (BM)   US-7898060   11/135666   20600271830   US   15-Feb-11   3-Jan-27   24-May-05   Files   Auth-Recording Tool for Developing Test Farriers F   La Bombard 2-9 (BM)   US-7892035   09/842899   20020166748   US   24-Jun-08   B-Jan-24   27-Apr-02   Consolidated Billing in A Wireless Network	ROZIIIIBRIY 5 (A)	ROZIIIIISKIY S (A) TICELA	E12040330	07113327.4	E1 2040330	110	14-Apr-10	30 Aug 27	30-Aug-07	Widelpie-Antenna interretence cancertation
Rivering 6-3-5-2 (MK)   Rivering 6-3-5-2 (MK)   Every 1-2-2 (MK)   E	Kuzminskiy 9 (A)	Kuzminskiy 9 (A)-GB-EPA	EP2040390	07115327.4	EP2040390	GB	14-Apr-10	30-Aug-27	30-Aug-07	Multiple-Antenna Interference Cancellation
Kwong 6-3-5-2 (MK)   Kwong 7-4-6-3 (MK)   Kwong 7-4-6-3 (MK)   US780806   11/135696   20060271824   US   20-Apr-10   26-Apr-27   24-May-05   Files   Alan-Executing Tool For Developing Test Harr   Land-Executing Tool For Developing Test Harr   Land-Execution Test    Land-Executing Tool For Developing Test Harr   Land-Executing Tool For Developing Test Harr   Land-Execution Test	Kwong 5-2-4-1 (MK)	Kwong 5-2-4-1 (MK)-US-NP	US7689973	11/135252	20060265629	US	30-Mar-10	28-Jan-29	23-May-05	Language For Development Of Test Harness Files Auto-Recording Tool For Developing Test Harness
Kwong 7-4-6-3 (MK)   Kwong 7-4-6-3 (MK)   US/890806   11/135696   20660271830   US   15-Feb-11   3-Jan-27   24-May-05   Files	Kwong 6-3-5-2 (MK)	Kwong 6-3-5-2 (MK)-US-NP	US7702958	11/135707	20060271824	US	20-Apr-10	26-Apr-27	24-May-05	Files
La Bombard 2-9 (BM) La Bombard 2-9 (BM)-US-NP US7392035 09/842899 20020160748 US 24-Jun-08 8-Jan-24 27-Apr-01 Consolidated Billing in A Wireless Network  La Porta 17-23-3 (TF) La Porta 17-23-3 (TF)-DE-EPA EP0821535 97305264.0 EP0821535 PR S-Oct-05 15-Jul-17 15-Jul-97 Two-Way Wireless Messaging System  La Porta 17-23-3 (TF) La Porta 17-23-3 (TF)-DE-EPA EP0821535 97305264.0 EP0821535 PR S-Oct-05 15-Jul-17 15-Jul-97 Two-Way Wireless Messaging System  La Porta 17-23-3 (TF) La Porta 17-23-3 (TF)-DE-EPA EP0821535 97305264.0 EP0821535 GB S-Oct-05 15-Jul-17 15-Jul-97 Two-Way Wireless Messaging System  La Porta 17-23-3 (TF) La Porta 17-23-3 (TF)-DE-EPA EP0821535 97305264.0 EP0821535 GB S-Oct-05 15-Jul-17 15-Jul-97 Two-Way Wireless Messaging System  La Porta 17-23-3 (TF) La Porta 17-23-3 (TF)-DE-EPA EP0821535 97305264.0 EP0821535 GB S-Oct-05 15-Jul-17 15-Jul-97 Two-Way Wireless Messaging System With Fig. 12 (Porta 19-25-5 (TF)-DE-EPA EP0825788 97305279.7 EP0825788 DE 6-Feb-08 19-Aug-17 19-Aug-97 Two-Way Wireless Messaging System with Fig. 12 (Porta 19-25-5 (TF)-DE-EPA EP0825788 97305279.7 EP0825788 GB 6-Feb-08 19-Aug-17 19-Aug-97 Two-Way Wireless Messaging System with Fig. 12 (Porta 19-25-5 (TF)-DE-EPA EP0825788 97305279.7 EP0825788 GB 6-Feb-08 19-Aug-17 19-Aug-97 Messaging System with Fig. 12 (Porta 19-25-5 (TF)-DE-EPA EP0825788 97305279.7 EP0825788 GB 6-Feb-08 19-Aug-17 19-Aug-97 Messaging System with Fig. 12 (Porta 19-25-5 (TF)-DE-EPA EP0825788 97305279.7 EP0825788 GB 6-Feb-08 19-Aug-17 19-Aug-97 Messaging System with Fig. 12 (Porta 19-25-5 (TF)-DE-EPA EP0825788 97305279.7 EP0825788 GB 6-Feb-08 19-Aug-17 19-Aug-97 Messaging System with Fig. 12 (Porta 19-25-5 (TF)-DE-EPA EP0825788 97305279.7 EP0825788 GB 6-Feb-08 19-Aug-17 19-Aug-97 Messaging System with Fig. 12 (Porta 19-25-5 (TF)-DE-EPA EP0825788 97305279.7 EP0825788 GB 6-Feb-08 19-Aug-17 19-Aug-97 Messaging System with Fig. 12 (Porta 19-25-5 (TF)-DE-EPA EP0825788 97305279.7 EP0825788 GB 6-Feb-08 19-Aug-17 19-Aug-97 Messaging System With Fig. 12 (Porta 19-25-5 (TF)-D	Kwong 7-4-6-3 (MK)	Kwong 7-4-6-3 (MK)-US-NP	US7890806	11/135696	20060271830	US	15-Feb-11	3-Jan-27	24-May-05	
La Porta 17-23-3 (TF) La Porta 17-23-3 (TF)-DE-EPA EP0821535 97305264.0 EP0821535 DE 5-Oct-05 15-Jul-17 15-Jul-97 Two-Way Wireless Messaging System  La Porta 17-23-3 (TF) La Porta 17-23-3 (TF)-FR-EPA EP0821535 97305264.0 EP0821535 FR 5-Oct-05 15-Jul-17 15-Jul-97 Two-Way Wireless Messaging System  La Porta 17-23-3 (TF) La Porta 17-23-3 (TF)-DE-EPA EP0821535 97305264.0 EP0821535 GB 5-Oct-05 15-Jul-17 15-Jul-97 Two-Way Wireless Messaging System  La Porta 17-23-3 (TF) La Porta 17-23-3 (TF)-DE-EPA EP0821535 97305264.0 EP0821535 GB 5-Oct-05 15-Jul-17 15-Jul-97 Two-Way Wireless Messaging System  La Porta 17-23-3 (TF) La Porta 17-23-3 (TF)-DE-EPA EP0821535 97305264.0 EP0821535 GB 5-Oct-05 15-Jul-17 15-Jul-97 Two-Way Wireless Messaging System  La Porta 17-23-3 (TF) La Porta 17-23-3 (TF)-DE-EPA EP0825788 97306279.7 EP0825788 DE 6-Feb-08 19-Aug-17 19-Aug-17 19-Aug-97 Two-Way Wireless Messaging System with Fice	La Bombard 2-9 (BM)	La Bombard 2-9 (BM)-JP-NP	JP4414632	2002106747		JP	27-Nov-09	9-Apr-22	9-Apr-02	Consolidated Billing In A Wireless Network
La Porta 17-23-3 (TF) La Porta 17-23-3 (TF)-GB-EPA EP0821535 97305264.0 EP0821535 GB 5-Oct-05 15-Jul-17 15-Jul-97 Two-Way Wireless Messaging System  La Porta 17-23-3 (TF) La Porta 17-23-3 (TF)-GB-EPA EP0821535 97305264.0 EP0821535 GB 5-Oct-05 15-Jul-17 15-Jul-97 Two-Way Wireless Messaging System  La Porta 17-23-3 (TF) La Porta 17-23-3 (TF)-GB-EPA EP0821535 97305264.0 EP0821535 GB 5-Oct-05 15-Jul-17 15-Jul-97 Two-Way Wireless Messaging System  La Porta 17-23-3 (TF) La Porta 17-23-3 (TF)-GB-EPA EP0821535 97305264.0 EP0821535 GB 5-Oct-05 15-Jul-17 15-Jul-97 Two-Way Wireless Messaging System  La Porta 17-23-3 (TF) La Porta 17-23-3 (TF)-GB-EPA EP0825788 97306279.7 EP0825788 DE 6-Feb-08 19-Aug-17 19-Aug-97 Messaging System with Fig. 12 Porta 19-25-5 (TF)-GB-EPA EP0825788 97306279.7 EP0825788 FR 6-Feb-08 19-Aug-17 19-Aug-97 Messaging System with Fig. 12 Porta 19-25-5 (TF)-GB-EPA EP0825788 97306279.7 EP0825788 GB 6-Feb-08 19-Aug-17 19-Aug-97 Messaging System with Fig. 13 Porta 19-25-5 (TF)-GB-EPA EP0825788 97306279.7 EP0825788 GB 6-Feb-08 19-Aug-17 19-Aug-97 Messaging System with Fig. 14 Porta 19-25-5 (TF)-GB-EPA EP0825788 97306279.7 EP0825788 GB 6-Feb-08 19-Aug-17 19-Aug-97 Messaging System with Fig. 14 Porta 19-25-5 (TF)-GB-EPA EP0825788 97306279.7 EP0825788 GB 6-Feb-08 19-Aug-17 19-Aug-97 Messaging System with Fig. 14 Porta 20-26-6 (TF)-JP-NP JP3103786 09216734 2000970138 JP 25-Aug-00 11-Aug-17 11-Aug-97 Transaction Server Transaction Ser	La Bombard 2-9 (BM)	La Bombard 2-9 (BM)-US-NP	US7392035	09/842899	20020160748	US	24-Jun-08	8-Jan-24	27-Apr-01	Consolidated Billing In A Wireless Network
La Porta 17-23-3 (TF) La Porta 19-25-5 (TF) La Porta 19-25-6 (TF) La Porta 20-26-6 (TF) La Porta 46-16-7-4-6 (TF) La Porta 4	La Porta 17-23-3 (TF)	La Porta 17-23-3 (TF)-DE-EPA	EP0821535	97305264.0	EP0821535	DE	5-Oct-05	15-Jul-17	15-Jul-97	Two-Way Wireless Messaging System
La Porta 17-23-3 (TF) La Porta 17-23-3 (TF)-IP-NP	La Porta 17-23-3 (TF)	La Porta 17-23-3 (TF)-FR-EPA	EP0821535	97305264.0	EP0821535	FR	5-Oct-05	15-Jul-17	15-Jul-97	Two-Way Wireless Messaging System
La Porta 17-23-3 (TF) La Porta 17-23-3 (TF)-IP-NP	La Porta 17-23-3 (TF)	La Porta 17-23-3 (TF)-GB-EPA	EP0821535	97305264.0	EP0821535	GB	5-Oct-05	15-Jul-17	15-Jul-97	Two-Way Wireless Messaging System
La Porta 19-25-5 (TF)   La Porta 19-25-5 (TF)-DE-EPA   EP0825788   97306279.7   EP0825788   DE   6-Feb-08   19-Aug-17   19-Aug-97   Messaging System with Flore   Messaging System with										
La Porta 19-25-5 (TF) La Porta 20-26-6 (TF) La Porta 20-26-6 (TF) La Porta 20-26-6 (TF) La Porta 20-26-6 (TF) La Porta 46-16-7-4-6 (TF) La Porta 46-16-7-4-6 (TF) La Porta 46-16-7-4-6 (TF) La Porta 12-3 (RT) LaGrotta 12-3 (RT) LaGrotta 12-3 (RT) LaGrotta 6-14-4 (JT) LaGrotta 6-14-4 (JT) LaGrotta 6-14-4 (JT) LaGrotta 6-2 (RT) LaGrotta 7-15 (JT) LaGrotta 7	La Porta 17-23-3 (TF)	La Porta 17-23-3 (TF)-JP-NP	JP3207137	U9198877		JP	6-Jul-01	24-Jul-17	24-Jul-97	Two-Way Wireless Messaging System Two-Way Wireless Messaging System with Flexible
La Porta 19-25-5 (TF) La Porta 20-26-6 (TF)-IP-NP JP3103786 99216734 2000970138 JP 25-Aug-00 11-Aug-17 11-Aug-97 Messaging System with Fix Transaction Several Messaging System with Fix Transac	La Porta 19-25-5 (TF)	La Porta 19-25-5 (TF)-DE-EPA	EP0825788	97306279.7	EP0825788	DE	6-Feb-08	19-Aug-17	19-Aug-97	Messaging
La Porta 19-25-5 (TF) La Porta 19-25-5 (TF)-GB-EPA EP0825788 97306279.7 EP0825788 GB 6-Feb-08 19-Aug-17 19-Aug-97 Two-Way Wireless Messaging System with Fidelity Messaging System with Fidelity Messaging System (Messaging System)	La Porta 19-25-5 (TF)	La Porta 19-25-5 (TF)-FR-EPA	EP0825788	97306279.7	EP0825788	FR	6-Feb-08	19-Aug-17	19-Aug-97	
La Porta 20-26-6 (TF) La Porta 20-26-6 (TF)-IP-NP JP3103786 09216734 2000970138 JP 25-Aug-00 11-Aug-17 11-Aug-97 Transaction Server Transient Tunneling For Dynamic Home Address and Server La Porta 46-16-7-4-6 (TF) La Porta 46-16-7-4-6 (TF)-US-NP US7554967 09/662531 US 30-Jun-09 1-Jun-22 15-Sep-00 On Mobile Hosts Deep Drawn Enclosure With Integrated Heats Facing Details and Server LaGrotta 12-3 (RT) LaGrotta 12-3 (RT) LaGrotta 12-3 (RT)-US-NP US6374912 09/223376 US 23-Apr-02 30-Dec-18 30-Dec-98 30-Dec-98 Beatening Details Deep Drawn Enclosure With Integrated Heats Facing Details US 20-Nov-01 11-Aug-19 11-Aug-99 Mounting Assembly For An Enclosure US6374912 US6318824 09/181868 US 20-Nov-01 29-Oct-18 29-Oct-98 Hinged Tracking System Method And Apparatus For Heat Regulating Electronic Products Initiation of Network Treatment For Data Pac Associated With Real-Time Application Difference Products Initiation of Network Treatment For Data Pac Associated With Real-Time Application Difference Products Initiation of Network Treatment For Data Pac Associated With Real-Time Application Difference Products Initiation of Network Treatment For Data Pac Associated With Real-Time Application Difference Products Initiation of Network Treatment For Data Pac Associated With Real-Time Application Difference Products Initiation of Network Treatment For Data Pac Associated With Real-Time Application Difference Products Initiation of Network Treatment For Data Pac Associated With Real-Time Application Difference Products Initiation of Network Treatment For Data Pac Associated With Real-Time Application Difference Products Initiation of Network Treatment For Data Pac Associated With Real-Time Application Difference Products Initiation of Network Treatment For Data Pac Associated With Real-Time Application Difference Products Initiation Produ		, ,								Two-Way Wireless Messaging System with Flexible
La Porta 20-26-6 (TF) La Porta 20-26-6 (TF)-JP-NP J93103786 09216734 2000970138 JP 25-Aug-00 11-Aug-17 11-Aug-97 Transaction Server Transient Tunneling For Dynamic Home Address and Server Translett Tunneling For Dynamic Home Address and Server Tunneling For Dynamic Home Address and S	La Porta 19-25-5 (TF)	La Porta 19-25-5 (TF)-GB-EPA	EP0825788	97306279.7	EP0825788	GB	6-Feb-08	19-Aug-17	19-Aug-97	Messaging Two-Way Wireless Cellular Messaging System with
La Porta 46-16-7-4-6 (TF) La Porta 46-16-7-4-6 (TF)-US-NP US7554967 09/662531 US 30-Jun-09 1-Jun-22 15-Sep-00 On Mobile Hosts Deep Drawn Enclosure With Integrated Heats 2-3-Apr-02 30-Dec-18 30-Dec-98 30-Dec-98 and Deep Drawn Enclosure With Integrated Heats 2-3-Apr-02 30-Dec-98 11-Aug-99 Mounting Assembly For An Enclosure With Integrated Heats 2-3-Apr-02 30-Dec-18 30-Dec-98 Hinged Tracking System US 20-Nov-01 11-Aug-99 Mounting Assembly For An Enclosure US 20-Nov-01 29-Oct-18 29-Oct-98 Hinged Tracking System Method And Apparatus For Heat Regulating Electronic Products Electronic Products Initiation of Network Treatment For Data Pac Associated With Real-Time Application Difference Products Initiation of Network Treatment For Data Pac Associated With Real-Time Application Difference Products Initiation of Network Treatment For Data Pac Associated With Real-Time Application Difference Products Initiation of Network Treatment For Data Pac Associated With Real-Time Application Difference Products Initiation of Network Treatment For Data Pac Associated With Real-Time Application Difference Products Initiation of Network Treatment For Data Pac Associated With Real-Time Application Difference Products Initiation of Network Treatment For Data Pac Associated With Real-Time Application Difference Products Initiation	La Porta 20-26-6 (TF)	La Porta 20-26-6 (TF)-JP-NP	JP3103786	09216734	2000970138	JP	25-Aug-00	11-Aug-17	11-Aug-97	
LaGrotta 6-14-4 (JT) LaGrotta 6-14-4 (JT)-US-NP US6213578 09/373077 US 10-Apr-01 11-Aug-19 11-Aug-99 Mounting Assembly For An Enclosure  LaGrotta 6-2 (RT) LaGrotta 6-2 (RT)-US-NP US6318824 09/181868 US 20-Nov-01 29-Oct-18 29-Oct-98 Hinged Tracking System Method And Apparatus For Heat Regulating Electronic Products  LaGrotta 7-15 (JT) LaGrotta 7-15 (JT)-US-NP US6201221 09/397031 US 13-Mar-01 16-Sep-19 16-Sep-99 Electronic Products  Initiation Of Network Treatment For Data Pac Associated With Real-Time Application Difference of the Company of										On Mobile Hosts Deep Drawn Enclosure With Integrated Heatsink And
LaGrotta 6-2 (RT) LaGrotta 6-2 (RT)-US-NP US6318824 09/181868 US 20-Nov-01 29-Oct-18 29-Oct-98 Hinged Tracking System  Method And Apparatus For Heat Regulating Electronic Products  US 13-Mar-01 16-Sep-19 16-Sep-99 Electronic Products  Initiation Of Network Treatment For Data Pac Associated With Real-Time Application Difference of the Company of the										-
LaGrotta 7-15 (IT) LaGrotta 7-15 (IT)-US-NP US6201221 09/397031 US 13-Mar-01 16-Sep-19 16-Sep-99 Electronic Products  Initiation Of Network Treatment For Data Pac Associated With Real-Time Application Difference of the Company of t		·								iviounting Assembly For An Enclosure
LaGrotta 7-15 (JT) LaGrotta 7-15 (JT)-US-NP US6201221 09/397031 US 13-Mar-01 16-Sep-19 16-Sep-99 Electronic Products  Initiation Of Network Treatment For Data Pac Associated With Real-Time Application Difference	LaGrotta 6-2 (RT)	LaGrotta 6-2 (RT)-US-NP	US6318824	09/181868		US	20-Nov-01	29-Oct-18	29-Oct-98	
Associated With Real-Time Application Differ	LaGrotta 7-15 (JT)	LaGrotta 7-15 (JT)-US-NP	US6201221	09/397031		US	13-Mar-01	16-Sep-19	16-Sep-99	
	Laha 7-1-3-3 /S)	Laha 7-1-3-3 /S)-US-NP	US8036122	10/406352	20040196786	IIS.	11-Oct-11	23-Anr-27	3-Anr-03	Initiation Of Network Treatment For Data Packet Associated With Real-Time Application Different From Network Treatment Applicable To Data Packet Non-Associated With The Real-Time Application
Lakhani 1-1-6 (S) Lakhani 1-1-6 (S)-US-NP US6064864 09/057029 US 16-May-00 8-Apr-18 8-Apr-98 Antenna Interlocks For Housing Assembly										

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	CASE REFERENCE	GRANT NUMBER	application Number	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPURATION DATE	APPLICATION DATE	HILE
Lakshman 5-3 (TV)	Lakshman 5-3 (TV)-US-NP	US5951651	08/899423		US	14-Sep- <del>99</del>	23-Jul-17	23-Jul-97	Packet Filter System Bitmap Vector Of Filter Rules For Routing Packet Through Network
Lakshman 6-5 (TV)	Lakshman 6-5 (TV)-US-NP	US6289013	09/145433		US	11-Sep-01	2-Sep-18	2-Sep-98	Packet Filter Method And Apparatus Employing Reduced Memory
Lakshman 7-6 (TV)	Lakshman 7-6 (TV)-US-NP	US6341130	09/146122		US	22-Jan-02	2-Sep-18	2-Sep-98	Packet Classification Method And Apparatus Employing Two Fields
Lambert 10-1 (D)	Lambert 10-1 (D)-US-NP	US7016806	10/811291		US	21-Mar-06	1-May-24	26-Mar-04	Method And Apparatus For Event Monitoring In An Information Processing System
Lamoureux 2-5-3-6-11 (P)	Lamoureux 2-5-3-6-11 (P)-DE- EPA	EP0984646	99306681.0	EP0984646	DE	9-Jan-08	23-Aug-19	23-Aug-99	Intelligent Antenna Sub-Sector Switching For Time Slotted Systems
Lamoureux 2-5-3-6-11 (P)	Lamoureux 2-5-3-6-11 (P)-FR- EPA	EP0984646	99306681.0	EP0984646	FR	9-Jan-08	23-Aug-19	23-Aug-99	Intelligent Antenna Sub-Sector Switching For Time Slotted Systems
Lamoureux 2-5-3-6-11 (P)	Lamoureux 2-5-3-6-11 (P)-GB- EPA	EP0984646	99306681.0	EP0984646	GB	9-Jan-08	23-Aug-19	23-Aug-99	Intelligent Antenna Sub-Sector Switching For Time Slotted Systems
Lamoureux 2-5-3-6-11 (P)	Lamoureux 2-5-3-6-11 (P)-US-NP	US6330458	09/144312		US	11-Dec-01	31-Aug-18	31-Aug-98	Intelligent Antenna Sub-Sector Switching For Time Slotted Systems
Laroía 23-15-8 (R)	Laroia 23-15-8 (R)-JP-NP	JP3881529	2001184192	2002027539	JP	17-Nov-06	19-Jun-21	19-Jun-01	Link-Level Support Of Wireless Data
Laroía 23-15-8 (R)	Laroia 23-15-8 (R)-KR-NP	KR790609	20010034450		KR	24-Dec-07	18-Jun-21	18-Jun-01	Link-Level Support Of Wireless Data
Laroia 23-15-8 (R)	Laroia 23-15-8 (R)-US-NP	US6708040	09/596817		US	16-Mar-04	19-Jun-20	19-Jun-00	Link-Level Support Of Wireless Data
Laroia 23-15-8 (R)	Laroia 23-15-8 (R)-DE-EPA	EP1168877	01305054.7	EP1168877	DE	18-Feb-04	11-Jun-21	11-Jun-01	Link-Level Support Of Wireless Data
Laroia 23-15-8 (R)	Laroia 23-15-8 (R)-FI-EPA	EP1168877	01305054.7	EP1168877	FI	18-Feb-04	11-Jun-21	11-Jun-01	Link-Level Support Of Wireless Data
Laroía 23-15-8 (R)	Laroia 23-15-8 (R)-FR-EPA	EP1168877	01305054.7	EP1168877	FR	18-Feb-04	11-Jun-21	11-Jun-01	Link-Level Support Of Wireless Data
Laroía 23-15-8 (R)	Laroia 23-15-8 (R)-GB-EPA	EP1168877	01305054.7	EP1168877	GB	18-Feb-04	11-Jun-21	11-Jun-01	Link-Level Support Of Wireless Data
Laroia 23-15-8 (R)	Laroia 23-15-8 (R)-SE-EPA	EP1168877	01305054.7	EP1168877	SE	18-Feb-04	11-Jun-21	11-Jun-01	Link-Level Support Of Wireless Data
									Communication Method For Frequency Division Multiplexing Signalling Systems, With Reduced
Laroia 7-8-2 (R)	Laroia 7-8-2 (R)-US-NP	US6301268	09/037847		US	9-Oct-01	10-Mar-18	10-Mar-98	Average Power Requirements  Method And Apparatus For Increasing The Spectral
Laroía 8-9-6 (R)	Laroia 8-9-6 (R)-US-NP	US6542276	09/143189		US	1-Apr-03	28-Aug-18	28-Aug-98	Efficiency of Dense Wavelength Division Multiplexed Systems
Larsson 20-11 (P)	Larsson 20-11 (P)-US-NP	US6898281	09/477910		US	24-May-05	5-Jan-20	5-Jan-00	System And Method For Filtering Echo/Next Signal Interferrence
Laskowski 14-7 (EJ)	Laskowski 14-7 (EJ)-US-NP	US6115520	09/035317		US	5-Sep-00	5-Mar-18	5-Mar-98	Compact Mach-Zehnder Interferometer And Wavelength Reference Employing Same
Lauer 3 (BA)	Lauer 3 (BA)-US-NP	US7414997	10/800214	20050201371	US	19-Aug-08	16-Jun-26	12-Mar-04	GPRS Tunneling Protocol Path Integrity Protocol
									Method For The Manufacture Of Elbows For Microwave Guides And Elbows Obtained According
Le Neve 1 (A)	Le Neve 1 (A)-US-NP	US6253444	09/315630		US	3-Jul-01	20-May-19	20-May-99	To The Method Method And Apparatus For Determining The Status
LeDuc 3-2 (DE)	LeDuc 3-2 (DE)-US-NP	U56484202	09/441437		US	19-Nov-02	16-Nov-19	16-Nov-99	Of A Transmission Link
Lee 1 (C)	Lee 1 (C)-US-NP	US6460177	09/401136		US	1-Oct-02	22-Sep-19	22-Sep-99	Method For Target-Specific Development Of Fixed- Point Algorithms Employing C++ Class Definitions
Lee 10-14-11 (M)	Lee 10-14-11 (M)-US-NP	US7903688	11/078012	20060203822	US	8-Mar-11	18-Mar-27	11-Mar-05	VOIP Encoded Packet Prioritization Done Per Packet In An IP Communications Network
									Method And Apparatus For Scheduling Data Packet Transmission Over A Multihop Wireless Backhaul
Lee 1-10-25-7 (S)	Lee 1-10-25-7 (S)-US-NP	US7366178	11/225516	20070058604	US	29-Apr-08	17-Oct-26	13-Sep-05	Network
									Method And Apparatus For Performing Active Packet Bundling In A Voice Over IP Communications System
Lee 12-17-12 (M)	Lee 12-17-12 (M)-US-NP	US8477760	11/288694	20070121586	US	2-Jul-13	12-Jun-31	29-Nov-05	Based On Voice Concealability  Method Of Assigning Uplink Reference Signals, And
Lee 13 (JA)	Lee 13 (JA)-US-NP	US7701919	11/414402	20080123616	US	20-Apr-10	18-Feb-29	1-May-06	Transmitter And Receiver Thereof Method Of Assigning Uplink Reference Signals, And
Lee 13 (JA)	Lee 13 (JA)-EP-EPT		07776213.6	EP2016729	EP		24-Apr-27	24-Apr-07	Transmitter And Receiver Thereof
									Method And Apparatus For Performing Active Packet Bundling In A Voice Over-IP Communications System
Lee 13-18 (M)	Lee 13-18 (M)-US-NP	US7633947	11/288743	20070121594	US	15-Dec-09	15-Oct-28	29-Nov-05	Based On Source Location In Talk Spurts  A Method And Apparatus For Supporting Short-
Lee 2 (SS)	Lee 2 (SS)-US-NP	US8036687	10/376378	20040023676	US	11-Oct-11	10-Nov-27	28-Feb-03	Messaging In A Communication Network  Configuration Management Of A Hybrid DCS-SONET
Lee 2 (T)	Lee 2 (T)-US-NP	US6959000	09/500387		US	25-Oct-05	8-Feb-20	8-Feb-00	Ring Network
Lee 26-14 (CC)	Lee 26-14 (CC)-US-NP	US6882838	09/565530		US	19-Apr-05	5-May-20	5-May-00	Improved System And Method For Providing Dynamic Call Disposition Service To Wireless Terminals
, ,	, ,					•	,	,	Method And Apparatus For Performing Real-Time
Lee 27-9-1-5 (C)	Lee 27-9-1-5 (C)-US-NP	US6782363	09/848897	20020184017	US	24-Aug-04	4-May-21	4-May-01	Endpoint Detection In Automatic Speech Recognition Method And Apparatus For Synchronizing Databases
Lee 3 (T)	Lee 3 (T)-US-NP	US6721735	09/697281		US	13-Apr-04	26-Oct-20	26-Oct-00	In A Network Management System
Lee 3-9-2-9 (JA)	Lee 3-9-2-9 (JA)-JP-NP	JP5084079	2001284240	2002111540	JP	14-Sep-12	19-Sep-21	19-Sep-01	Segmented Architecture For Multiple Sequence Detection And Identification In Fading Channels
` '	, ,					'		,	Segmented Architecture For Multiple Sequence
Lee 3-9-2-9 (JA)	Lee 3-9-2-9 (JA)-US-NP	US6771688	09/664646		US	3-Aug-04	19-Sep-20	19-Sep-00	Detection And Identification In Fading Channels Method And Apparatus For Diversity Control In
Lee 4 (C)	Lee 4 (C)-US-NP	US7412381	09/672511		US	12-Aug-08	13-Nov-25	28-Sep-00	Multiple Description Voice Communication Method And Apparatus For Diversity Control In
Lee 4 (C)	Lee 5 (C)-US-DIV	US7756705	11/900045	20080015856	US	13-Jul-10	12-Oct-20	6-Sep-07	Multiple Description Voice Communication Segmented Architecture For Multiple Sequence
Lee 4 (JA)	Lee 4 (JA)-US-NP	US6907091	09/773176		US	14-Jun-05	13-May-23	31-Jan-01	Detection And Identification With Frequency Offset Compensation
Lee 4 (T)	Lee 4 (T)-US-NP	US7155217	09/625889		US	26-Dec-06	16-Sep-21	26-Jul-00	Method And Apparatus For Managing Adjunct Access And Leased Facilities
200 - (1)					33	22 200-00	23 30,5-21	25 30.00	Method And Apparatus For The Estimation Of Total Transmission Delay By Statistical Analysis Of
Lee 4-7 (M)	Lee 4-7 (M)-US-NP	US7436822	10/457104	20040247112	US	14-Oct-08	11-Oct-26	9-Jun-03	Conversational Behavior
Lee 5-1 (D)	Lee 5-1 (D)-US-NP	US6459758	09/137533		US	1-Oct-02	21-Aug-18	21-Aug-98	Method And Apparatus For Discrete Tomography

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-1 (JA)-US-NP	US7643438	10/649797	20050047347				i l	Method Of Determining Random Access Channel
			20030047347	US	5-Jan-10	21-Sep-27	28-Aug-03	Preamble Detection Performance In A Communication System
-25-1 (I)-US-NP	US6587987	09/611887		US	1-Jul-03	7-Jul-20	7-Jul-00	Method And Apparatus For Extracting Reliability Information From Partial Response Channels
-6-1 (M)-US-NP	US7701886	10/856728	20050276235	US	20-Apr-10	18-Feb-29	28-May-04	Packet Loss Concealment Based On Statistical N- Gram Predictive Models For Use In Voice-Over-IP Speech Transmission
								Strictly Non-Blocking Scalable Matrix Optical Switch
(511)-03-141	030003338	03/020030		0.5	21-060-33	20-160-16	20-1 65-36	Method And Arrangement For Detecting A Random Access Channel Preamble Using Multiple Antenna
-1 (JA)-US-NP	US7321645	10/651200	20050047530	US	22-Jan-08	13-Jul-25	29-Aug-03	Reception In A Communication System
4 (JA)-US-NP	US/995585	11/035082	20060159013		9-Aug-11	21-Aug-27		Method Of Controlling Transmission Rates Device For Digitally Slaving The Position Of A Moving
(P)-US-PCT	US6252366	09/462237		US	26-Jun-01	3-Jul-18	3-Jul-98	Part
ire 27-23-22 (PJ)-US-NP	US6147341	09/023425		US	14-Nov-00	13-Feb-18	13-Feb-98	Temperature Compensating Device For Fiber Grating
ort 3-2-2-2 (IE)-US-NP	1156453032	09/054094		IIS	17-Sen-02	2-Δnr-18	2-∆nr-98	Method For Creating And Modifying Similar And Dissimilar Databases For use In Dialing Plan Configurations For Telecommunication Systems
11: 3-2-2-2 (31 )-0.5-141	030433032	05/054054		- 03	17-3cp-02	2-Apr-10	2-Apr-30	-
ert 4-3-3-3 (JF)-US-NP	US6169994	09/054207		US	2-Jan-01	2-Apr-18	2-Apr-98	Method For Creating And Modifying Similar And Dissimilar Databases For Use In Hardware Equipmen Configurations For Telecommunication Systems
ert 6-5-2 (JF)-US-NP	US6243712	09/054206		US	5-Jun-01	2-Apr-18	2-Apr- <del>9</del> 8	Method For Creating And Modifying Similar And Dissimilar Databases For Use In Operator Services Configurations For Telecommunication Systems
, ,						·		Method For Creating And Modifying Similar And Dissimilar Databases For Use In Intelligent Network
ert 7-1-6-1 (JF)-US-NP	US6324547	09/054329		US	27-Nov-01	2-Apr-18	2-Apr-98	Configurations For Telecommunication Systems  Method For Creating And Modifying Similar And
								Dissimilar Databases For Use In Private Branch Exchange Configurations For Telecommunication
ert 9-8-3 (JF)-US-NP	US6272496	09/054193		US	7-Aug-01	2-Apr-18	2-Apr-98	Systems
ne 19-9 (AL)-US-NP	US6204942	08/887180		US	20-Mar-01	2-Jul-17	2-Jul-97	Demultiplexing With Clocked Optical Receivers
ne 26-20 (AL)-US-NP	US7092471	10/153390	20040202270	US	15-Aug-06	14-Oct-22	22-May-02	Digital Phase Synchronization Circuit
ne 27-1-22 (AL)-US-NP	US6271777	09/438794		US	7-Aug-01	12-Nov-19	12-Nov-99	Data Transmission System Employing Clock-Enriched Data Coding And Sub-Harmonic De-Multiplexing
ne 28-23 (AL)-US-NP	US6754238	09/592338		US	22-Jun-04	13-Jun-20	13-Jun-00	Method And Apparatus For Transport Of Control Information Over A Data Link
ne 33-29 (AL)-US-DIV	US6975640	10/810372	20040179551	US	13-Dec-05	13-Jun-20	26-Mar-04	Method And Apparatus For Transport Of Control Information Over A Data Link
ard 4-2 (ED)-JP-DIV	JP5114577	2011003660	2011097634	JP	19-Oct-12	28-May-24	28-May-04	Discontinuous Transmission Detection Method
ard 4-2 (ED)-JP-NP	JP5062944	2004158475	2004357303	JP	17-Aug-12	28-May-24	28-May-04	Discontinuous Transmission Detection Method
				KR				Discontinuous Transmission Detection Method
ard 6 (ED)-JP-PCT	JP5047943	2008504106	2008535381	JP	27-Jul-12	16-Mar-26	16-Mar-06	Adaptive Threshold Setting For Discontinuous Transmission Detection
ard 6 (ED)-US-NP	US7483386	11/096201	20060221707	US	27-Jan-09	4-Oct-26	31-Mar-05	Adaptive Threshold Setting For Discontinuous Transmission Detection
								Delay Interferometer Optical Pulse Generator
			4935/CHENP/2008	IN	5 341 5 1			Method Of OFDMA Tone Interference Cancellation
				KR	27-Nov-13		9-Mar-07	Method Of OFDMA Tone Interference Cancellation
		11/388638	20070223359					Method Of OFDMA Tone Interference Cancellation
, ,					30 1741 10			Method Of Signal Demodulation In A Hybrid OFDMA- CMDA System Using Intercarrier Interference Cancellation Techniques
.,,				-				Method For Managing A Database For Storing
(H)-US-NP	US6530008	09/450356		US	4-Mar-03	29-Nov-19	29-Nov-99	Variable Size Data Records Using Fixed Sized Buckets Optical Add/Drop Multiplexer Having
(YP)-US-NP	US5999290	08/958496		US	7-Dec-99	27-Oct-17	27-Oct-97	Complementary Stages
1 (X)-US-CNT	US8027361	12/506761	20090279568	US	27-Sep-11	19-Apr-23	21-Jul-09	Class-Based Bandwidth Allocation And Admission Control For Virtual Private Networks With Differentiated Service Class-Based Bandwidth Allocation And Admission
1 (X)-US-NP	IIS7577161	10/374931	20040165529	115	18-Aug-00	30-May-26	26-Feb-02	Control For Virtual Private Networks With  Differentiated Service
			20040103320	US	27-Mar-01	19-Jan-19	19-Jan-99	System And Method For Optical Monitoring
(Q)-IN-NP	IN210146	962/MAS/99		IN	25-Sep-07	29-Sep-19	29-Sep-99	Method And Apparatus For Generating A Complex Scrambling Code Sequence
(Q)-US-NP	US6389138	09/190195		US	14-May-02	12-Nov-18	12-Nov-98	Method And Apparatus For Generating A Complex Scrambling Code Sequence
(Z)-US-NP	US7106727	10/027761		US	12-Sep-06	14-Jul-24	21-Dec-01	Method and Apparatus For Providing Circuit And Packet-Switched Calls On A Network
-1-1 (H)-US-NP	US6594659	09/450354		US	15-Jul-03	29-Nov-19	29-Nov-99	Method For Creating A Toll-Free Number Audit Tape
4-45 (S)-US-NP	US7873055	11/256626	20070091837	US	18-Jan-11	21-Feb-27	21-Oct-05	Scheduling User Transmissions To Mobile Stations O A Reverse Link Of A Spread Spectrum Cellular System
								Method Of Increasing The Capacity Of The Forward
	KR101086807	20097003792		KR	18-Nov-11	17-Aug-27	17-Aug-07	Link MAC Channel In A Wireless Communication System
( ) 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	(4 (JA)-US-NP (P)-US-PCT re 27-23-22 (PJ)-US-NP rt 3-2-2-2 (JF)-US-NP rt 4-3-3-3 (JF)-US-NP rt 4-3-3-3 (JF)-US-NP rt 7-1-6-1 (JF)-US-NP rt 9-8-3 (JF)-US-NP rt 4-2 (ED)-JP-NP rt 4-3 (S)-NP-PCT rt 4-48 (S)-NP-PCT rt 4-48 (S)-NP-PCT rt 4-48 (S)-US-NP rt 4-48 (S)-US-NP rt 4-48 (S)-US-NP rt 4-48 (S)-US-NP	(BH)-US-NP U56005998  1 (JA)-US-NP U57321645 4 (JA)-US-NP U57995585 (P)-US-PCT U56252366 re 27-23-22 (PJ)-US-NP U56147341  rt 3-2-2-2 (JF)-US-NP U56147341  rt 4-3-3-3 (JF)-US-NP U56169994  rt 6-5-2 (JF)-US-NP U56243712 rt 7-1-6-1 (JF)-US-NP U56243712 rt 7-1-6-1 (JF)-US-NP U56243712 rt 9-8-3 (JF)-US-NP U56243712 rt 9-8-3 (JF)-US-NP U56243712 rt 9-8-3 (JF)-US-NP U56204942 e 26-20 (AL)-US-NP U56271777 e 28-23 (AL)-US-NP U56271777 e 28-23 (AL)-US-NP U56754238 e 33-29 (AL)-US-NP U56754238 e 33-29 (AL)-US-NP U56754238 rd 4-2 (ED)-JP-DIV JP5114577 rd 4-2 (ED)-JP-NP JP5062944 rd 4-2 (ED)-JP-NP U567640 rd 4-2 (ED)-JP-NP U57483386 Jold 9-8-3 (J)-US-NP U56760142 17-48 (S)-NP-CT U56760142 17-48 (S)-NP-CT U56788708 17-48 (S)-US-NP U57688708 17-48 (S)-US-NP U57688708 17-48 (S)-US-NP U5799290 1 (X)-US-NP U57977161 5 (YP)-US-NP U56389138 (Z)-US-NP U56389138	(BH)-US-NP US6005998 09/026856  1 (JA)-US-NP US7321645 10/651200 4 (JA)-US-NP US7995885 11/035082 (P)-US-PCT US6252366 09/462237 re 27-23-22 (PJ)-US-NP US6147341 09/023425  rt 3-2-2-2 (JF)-US-NP US6147341 09/054094  rt 4-3-3-3 (JF)-US-NP US6169994 09/054207  rt 6-5-2 (JF)-US-NP US6243712 09/054206  rt 7-1-6-1 (JF)-US-NP US6243712 09/054206  rt 7-1-6-1 (JF)-US-NP US6243712 09/054329  rt 9-8-3 (JF)-US-NP US6272496 09/054329  rt 9-8-3 (JF)-US-NP US627496 09/054329  rt 9-8-3 (JF)-US-NP US627471 10/153390  re 27-1-22 (AL)-US-NP US6271777 09/438794  re 28-23 (AL)-US-NP US6754238 09/592338  re 33-29 (AL)-US-NP US6754238 09/592338  re 33-29 (AL)-US-NP US6975640 10/810372  rd 4-2 (ED)-JP-DIV JP5114577 2011003660  rd 4-2 (ED)-JP-NP JP5062944 2004158475  rd 4-2 (ED)-KR-DIV KR101293514 20110049396  rd 6 (ED)-JP-PCT JP5047943 2008504106  rd 6 (ED)-JP-PCT JP5047943 2008504106  rd 6 (ED)-JS-NP US6760142 10/144477  17-48 (S)-US-NP US6760142 10/144477  17-48 (S)-US-NP US7688708 11/388638  17-48 (S)-US-NP US7688708 11/388638  17-48 (S)-US-NP US768706 11/374931  1 (X)-US-NP US6208780 09/234025  (Q)-IN-NP IN210146 962/MAS/99  (Q)-US-NP US6389138 09/190195	BB -US-NP	BRH-US-NP	BEH-US-NP	1	BIT   LINE   L

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FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE	EXPURATION DATE	APPLICATION	TITLE
									Automatic Speech Recognition With
U.O. 2.10 (OD)	U. 0. 2. 10 (OD) UC ND	1155701201	00/024075	20020052211		3.44 0.4	2 4 21	2 4 01	Psychoacoustically-Based Feature Extraction, Using Easily-Tunable Single-Shaped Filters Along
Li 8-2-18 (QP)	Li 8-2-18 (QP)-US-NP	US6701291	09/824076	20020062211	US	2-Mar-04	2-Apr-21	2-Apr-01	Logarithmic-Frequency Axis Wireless Communication Handoffs Within A
Li 9-4-23 (P)	Li 9-4-23 (P)-IN-PCT		4624/CHENP/2008	4624/CHENP/2008	IN		27-Feb-27	27-Feb-07	Macrocell Wireless Communication Handoffs Within A
Li 9-4-23 (P)	Li 9-4-23 (P)-JP-PCD	JP5667137	2012216387	2013048449	JP	19-Dec-14	27-Feb-27	27-Feb-07	Macrocell Wireless Communication Handoffs Within A
Li 9-4-23 (P)	Li 9-4-23 (P)-JP-PCT	JP5147735	2008558300	2009529829	JP	7-Dec-12	27-Feb-27	27-Feb-07	Macrocell Wireless Communication Handoffs Within A
Li 9-4-23 (P)	Li 9-4-23 (P)-US-CNT	US9532284	14/551382	20150148047	US	27-Dec-16	1-May-26	24-Nov-14	Macrocell Method And Apparatus For Determining Fiber
Libertinal 2.4 (MAD)	Libertinal 2.4 (MD) US ND	1160072047	11/950454	20090060498	He	39 Oct 14	39 May 21	F For 07	Characteristics In An Optical Communication
Libeskind 2-4 (MB)	Libeskind 2-4 (MB)-US-NP	US8873947	11/850454	20090060498	US	28-Oct-14	28-May-31	5-Sep-07	Network Session Resource Manager And Method For
Libman 4-1-1-1 (RE)	Libman 4-1-1-1 (RE)-US-NP	U56608814	09/267548		US	19-Aug-03	12-Mar-19	12-Mar-99	Enhancing Visibility And Control Of A Broadband Network
Liesen 3 (CD)	Liesen 3 (CD)-US-NP	US7555612	10/930286	20060059493	US	30-Jun-09	15-Apr-26	31-Aug-04	Adaptive Control Of Loading A Program In A Disk- Based Operating System
Lilienthal 12-28 (PF)	Lilienthal 12-28 (PF)-US-NP	US5960592	09/075551		US	5-Oct-99	11-May-18	11-May-98	Protective Enclolsure For Outdoor Equipment
Lilienthal 15-18 (PF)	Lilienthal 15-18 (PF)-US-NP	US6239359	09/309943		us	29-May-01	11-May-19	11-May-99	Circuit Board RF Shielding
Lin 1-2-25 (J)	Lin 1-2-25 (J)-US-NP	US6331996	09/086197		us	18-Dec-01	28-May-18	28-May-98	Channel Synchronization And Impulse Sounding In The Presence Of Frequency Offset
	Lin 2 (DL)-US-NP	US5954599	09/006534		US	21-Sep-99	13-Jan-18	13-Jan-98	Automated Sport Boundary Officiating System Scalable Optical Demultiplexing Arrangement For
15- 2-1 (98)	E- 2.1 (W) HC AID	1155702202	00 (1 4 2 0 7 0	20020012144	LIC.	24.4	21 4 10	21 4 00	Wide Band Dense Wavelength Division Multiplexed
Lin 2-1 (W)	Lin 2-1 (W)-US-NP	US6782203	09/143878	20020012144	US	24-Aug-04	31-Aug-18	31-Aug-98	Systems
									Network Management System Based On Passive Monitoring And Proactive Management For
Lin 3-76-51 (Y)	Lin 3-76-51 (Y)-US-NP	US6405250	09/236508		US	11-Jun-02	25-Jan-19	25-Jan-99	Formulation Behavior State Transition Models  Cross-Traffic Suppression In Wavelength Division
Lin 7-4 (W)	Lin 7-4 (W)-US-NP	US6512865	09/652506		US	28-Jan-03	31-Aug-20	31-Aug-00	Multiplexed Systems Active Balun Circuit For Single-Ended To Differential
Lín 9 (J)	Lin 9 (J)-US-NP	US6922108	09/877900	20020187768	US	26-Jul-05	24-Oct-23	8-Jun-01	RF Signal Conversion With Enhanced Common-Mode Rejection
Little 1 (JM)	Little 1 (JM)-US-NP	US6023184	08/975901		US	8-Feb-00	16-Sep-17	16-Sep-97	CONVERTER PROVIDING DIGITAL SCALING AND MIXING
				20070400054					Proxy Telephone Number System For Communication
Liu 1 (AH)	Liu 1 (AH)-US-NP	US8842661	11/477987	20070189264	US	23-Sep-14	8-Mar-32	29-Jun-06	Network Subscribers  Methods And Devices For Creating An Alternate Path
Liu 1 (H) Liu 1 (T)	Liu 1 (H)-US-NP Liu 1 (T)-US-NP	US7508755 US6496545	10/613103 09/241992	20050007950	US US	24-Mar-09 17-Dec-02	22-Mar-26 2-Feb-19	7-Jul-03 2-Feb-99	For A Bi-Directional LSP Single-Sideband Mixer
									Method For Optimizing Mobile Wireless Communications Routed Across Plural
Liu 11-11 (C)	Liu 11-11 (C)-CN-NP	ZL122712	00122712.2	CN1299205A	CN	2-Jun-04	9-Aug-20	9-Aug-00	Interconnected Networks Method For Optimizing Mobile Wireless
Liu 11-11 (C)	Liu 11-11 (C)-DE-EPA	EP1076466	00306495.3	EP1076466	DE	2-Apr-08	31-Jul-20	31-Jul-00	Communications Routed Across Plural Interconnected Networks
									Method For Optimizing Mobile Wireless Communications Routed Across Plural
Liu 11-11 (C)	Liu 11-11 (C)-FR-EPA	EP1076466	00306495.3	EP1076466	FR	2-Apr-08	31-Jul-20	31-Jul-00	Interconnected Networks
15.00.00 (6)	Live and and and an and an and an and an and an an and an	FD4075455	003054053	ED4075455	GD.	3.465	74.1.170	34 1 1 00	Method For Optimizing Mobile Wireless Communications Routed Across Plural
Liu 11-11 (C)	Liu 11-11 (C)-GB-EPA	EP1076466	00306495.3	EP1076466	GB	2-Apr-08	31-Jul-20	31-Jul-00	Interconnected Networks Method For Optimizing Mobile Wireless
Liu 11-11 (C)	Liu 11-11 (C)-JP-NP	JP4028675	2000241961	2001127804	JP	19-Oct-07	10-Aug-20	10-Aug-00	Communications Routed Across Plural Interconnected Networks
									Method For Optimizing Mobile Wireless Communications Routed Across Plural
Liu 11-11 (C)	Liu 11-11 (C)-US-NP	US6434139	09/371385		US	13-Aug-02	10-Aug-19	10-Aug-99	Interconnected Networks
									Method Of Determining The Capacity Of Each Transmitter Antenna In A Multiple Input/Multiple
Liu 12-32 (J)	Liu 12-32 (J)-US-NP	US7154960	10/334314	20040125900	US	26-Dec-06	4-Feb-25	31-Dec-02	Output (MIMO) Wireless System Nonlinear Phase-Shift Compensation Method And
Liu 13-2-51-23-10-16 (X)	Liu 13-2-51-23-10-16 (X)-US-NP	US7062176	10/331217	20040125435	US	13-Jun-06	22-Nov-23	30-Dec-02	Apparatus
Liu 27-5-18 (X)	Liu 27-5-18 (X)-US-NP	US8045862	10/790434	20050191061	US	25-Oct-11	29-Jan-28	27-Feb-04	Optical Communication Method And Apparatus
Liu 3 (J)	Liu 3 (J)-US-NP	US7502461	10/883666	20060007872	US	10-Mar-09	17-Jun-26	6-Jul-04	Echo Cancellation In A Communication Network
Liu 3 (J)	Liu 3 (J)-CN-NP	ZL10062119.8	200410062119.8	CN1716798A	CN	2-Mar-11	2-Jul-24	2-Jul-04	Echo Cancellation In A Communication Network
									Approach For QoS Control On Un-Wanted Services
Líu 31-9 (C)	Liu 31-9 (C)-US-CNT	US8792823	12/928900	20110090849	US	29-Jul-14	24-Dec-26	22-Dec-10	(e.g. VoIP Or Multimedia) Over Wireless IP Network
	Liu 3-19 (G)-US-NP	US6762997	09/537791		US	13-Jul-04	29-Mar-20	29-Mar-00	Method For Finding Shortest Network Routing Paths Subject To System Constraints
	Liu 4 (G)-US-NP	US6782198	09/710269		US	24-Aug-04	10-Nov-20	10-Nov-00	Switching Arrangement For Fault Recovery In Optical WDM Ring Networks
, ,	Liu 42-23-6-12 (X)-US-NP	US7609976	11/239656	20070071454	US	27-Oct-09	27-Aug-28	29-Sep-05	Method And System For Ultra-High Bit Rate Fiber- Optic Communications
Eld 42-23-0-12 (A)	20 42-23-0-12 (A)*03*NP	531003310	11/23/030	20070071434	0.3	27-001-03	27-MUS-20	ZJ-3CP-03	
Liu 6-2 (C)	Liu 6-2 (C)-US-NP	US6405040	08/938755		US	11-Jun-02	26-Sep-17	26-Sep-97	Implementing And Selecting Between Virtual Private Wireless Telecommunications Networks
									Cellular Call Processor Having Concurrent Instances Of Call Models To Support Mixed Media
Liu 8-1 (C)	Liu 20-10 (C)-US-DIV	US6434382	09/803860		US	13-Aug-02	27-Jul-18	12-Mar-01	Communication Connections Cellular Call Processor Having Concurrent Instances
Liu 8-1 (C)	Liu 8-1 (C)-US-NP	US6285877	09/123179		US	4-Sep-01	27-Jul-18	27-Jul-98	Of Call Models To Support Mixed Media Communication Connections
	LivingstonEnterprise 6 ()-US-NP	US6678283	09/265130		US	13-Jan-04	10-Mar-19	10-Mar-99	System and Method For Distributing Packet Processing In An Internetworking Device
zgatorientei priac o	- Service of the Oracle		.,		- 55			22 (86) 25	Architecture For Location Independent, Automated Integration Testing And Quality Assurance Of Next
Logan 1 (I)	Logan 1 (I)-US-NP	US7809368	11/423275	20070287445	US	5-Oct-10	16-Nov-28	9-Jun-06	Generation
Logan 3 (I)	Logan 3 (I)-EP-EPA	l	08290600.9	EP2139219	EP	l	24-Jun-28	24-Jun-08	Stimulation of Use of Telephony Networks

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FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	TITLE
Lopes 1 (RJ)	Lopes 1 (RJ)-US-NP	US6189105	09/026983		US	13-Feb-01	20-Feb-18	20-Feb-98	System For Authorizing Of Valid Computer User Using Proximity Detector
									A Hardware Architecture For A Configurable Cipher
Loughran 6 (K)	Loughran 6 (K)-US-NP	US6408074	09/177693		US	18-Jun-02	22-Oct-18	22-Oct-98	Device
Lozano 12 (A)	Lozano 12 (A)-US-NP	US7747285	11/776046	20090015472	US	29-Jun-10	17-Aug-28	11-Jul-07	Method Of Transmit Beamforming For Multicasting In A Wireless Communication System
,,	, ,								Radio Link Protocol (RLP)/Point-To-Point Protocol
									(PPP) Design That Passes Corrupted Data And Error
Lu 7-1 (M)	Lu 7-1 (M)-US-NP	US7031257	09/668243		US	18-Apr-06	11-Jan-23	22-Sep-00	Location Information Among Layers In A Wireless Data Transmission Protocol
Lubachevsky 10-2 (BD)	Lubachevsky 10-2 (BD)-US-NP	US7257526	09/543284		US	14-Aug-07	5-Apr-20	5-Apr-00	Discrete Event Parallel Simulation
EUDACHEVSKY 10-2 (DD)	Edbachevsky 10-2 (BD)-03-14r	03/23/320	03/343284		0.5	14-Aug-07	3-Apr-20	3-Api -00	
Lyons 47-11 (AM)	Lyons 47-11 (AM)-KR-PCT	KR101208939	20107027220		KR	30-Nov-12	27-May-29	27-May-09	Light-Weight Low-Thermal-Expansion Polymer Foam For Radiofrequency Filtering Apppications
									Light-Weight Low-Thermal-Expansion Polymer Foam
Lyons 47-11 (AM)	Lyons 47-11 (AM)-US-NP	US7847658	12/133259	20090302974	US	7-Dec-10	4-Nov-28	4-Jun-08	For Radiofrequency Filtering Applications
Ma 23-25 (Z)	Ma 23-25 (Z)-US-NP	US7680075	11/435664	20070268853	US	16-Mar-10	6-Nov-28	17-May-06	Identification Of Base Stations  Methods And Apparatus For Providing Secure Two-
MacKenzie 15 (PD)	MacKenzie 15 (PD)-US-NP	U58520844	10/600687	20050008152	US	27-Aug-13	5-Jun-29	20-Jun-03	Party Public Key Cryptosystem  Extendible Feet And Baseplate For Telephone And
Madhav 1 (JT)	Madhav 1 (JT)-US-NP	US6453046	09/122613		US	17-Sep-02	24-Jul-18	24-Jul-98	Other Electronic Devices Polarization Mode Dispersion Measurement Using
Madsen 13 (CK)	Madsen 13 (CK)-JP-NP	JP3848843	200164305	2001296207	JP	1-Sep-06	8-Mar-21	8-Mar-01	Phase-Sensitive Sideband Detection
Madsen 13 (CK)	Madsen 13 (CK)-US-NP	US6362874	09/779392		US	26-Mar-02	8-Feb-21	8-Feb-01	Polarization Mode Dispersion Measurement Using Phase-Sensitive Sideband Detection
Madsen 18 (CK)	Madsen 18 (CK)-US-NP	US6801721	09/825691	20040208604	US	5-Oct-04	4-Apr-21	4-Apr-01	Polarization Mode Dispersion Compensator For Optical Fiber Communication Systems
, ,									Polarization Mode Dispersion Compensator For
Madsen 18 (CK)	Madsen 18 (CK)-DE-EPA	EP1164724	01304861.6	EP1164724	DE	11-Apr-07	4-Jun-21	4-Jun-01	Optical Fiber Communication Systems Polarization Mode Dispersion Compensator For
Madsen 18 (CK)	Madsen 18 (CK)-FR-EPA	EP1164724	01304861.6	EP1164724	FR	11-Apr-07	4-Jun-21	4-Jun-01	Optical Fiber Communication Systems Polarization Mode Dispersion Compensator For
Madsen 18 (CK)	Madsen 18 (CK)-GB-EPA	EP1164724	01304861.6	EP1164724	GB	11-Apr-07	4-Jun-21	4-Jun-01	Optical Fiber Communication Systems
									Apparatus And Method for Measurement And
Madsen 19 (CK)	Madsen 19 (CK)-US-NP	US6807321	10/180842		US	19-Oct-04	19-Aug-22	19-Aug-02	Adaptive Control Of Polarization Mode Dispersion In Optic Fiber Transmission Systems
Madsen 2 (CK)	Madsen 2 (CK)-US-NP	US5953467	08/935585		US	14-Sep-99	23-Sep-17	23-Sep-97	Switchable Optical Filter
Madsen 22 (CK)	Madsen 22 (CK)-US-NP	US7206477	10/442443	20040234192	US	17-Apr-07	21-May-23	21-May-03	Optical All Pass Filter Device Having Improved Time- Bandwidth Behavior
									Integrated Polarization Beam Splitter With Quarter- Wave Plate For Polarimeter And PMD Compensation
Madsen 25 (CK)	Madsen 25 (CK)-US-NP	US7228037	10/458440	20040257564	US	5-Jun-07	14-Apr-24	10-Jun-03	Applications
									Intregrated Polarization Beam Splitter With Quarter- Wave Plate For Polarimeter And PMD Compensation
Madsen 25 (CK) Madsen 8 (CK)	Madsen 34 (CK)-US-DIV Madsen 8 (CK)-US-NP	US7889352 US6580534	11/668841 09/238222	20070296977	US US	15-Feb-11 17-Jun-03	7-Jan-24 27-Jan-19	30-Jan-07 27-Jan-99	Applications Optical Channel Selector
Mahajan 1-4-36 (S)	Mahajan 1-4-36 (S)-US-NP	US6236982	09/152770		US	22-May-01	14-Sep-18	14-Sep-98	System And Method For Discovering Calendric Association Rules
iviariajan 1-4-30 (3)	Waliajan 1-4-30 (5)-03-W	030230302	03/132770		03	22-Way-01	14-3cp-16	14-3cp-36	
Mailaender 12-1 (LE)	Mailaender 12-1 (LE)-DE-EPA	EP1530300	04256704.0	EP1530300	DE	31-Jan-07	29-Oct-24	29-Oct-04	Method And Apparatus For Receiver Processing In A CDMA Communications System
									Method And Apparatus For Receiver Processing In A
Mailaender 12-1 (LE)	Mailaender 12-1 (LE)-FR-EPA	EP1530300	04256704.0	EP1530300	FR	31-Jan-07	29-Oct-24	29-Oct-04	CDMA Communications System
									Method And Apparatus For Receiver Processing In A
Mailaender 12-1 (LE)	Mailaender 12-1 (LE)-GB-EPA	EP1530300	04256704.0	EP1530300	GB	31-Jan-07	29-Oct-24	29-Oct-04	CDMA Communications System
Mailaender 2 (LE)	Mailaender 2 (LE)-US-NP	US6647022	09/131221		US	11-Nov-03	7-Aug-18	7-Aug-98	Interference Canceller
Makowski 1-1-1 (SL)	Makowski 1-1-1 (SL)-US-NP	US7697499	10/447504	20040240421	US	13-Apr-10	30-Dec-25	29-May-03	Method For Interoffice Trunk Testing
Malhotra 7 (R)	Malhotra 7 (R)-US-NP	US9185036	11/088073	20060215550	US	10-Nov-15	11-Aug-30	23-Mar-05	Method And Apparatus For Flow Control Of Data In A Network
Manda 1 (VK)	Manda 1 (VK)-US-NP	US6250578	09/315484		US	26-Jun-01	20-May-19	20-May-99	Cable Winding Housing Sol-Gel Process For Making A Fiber Preform With
Mandich 6-7 (ML)	Mandich 6-7 (ML)-US-NP	US6334338	09/109827		US	1-Jan-02	2-Jul-18	2-Jul-98	Removal Of Oxide Particles
Mangione 1 (MT)	Mangione 1 (MT)-US-NP	U56363464	09/414915		US	26-Mar-02	8-Oct-19	8-Oct-99	Redundant Processor Controlled System
Mao 1-1 (VC)	Mao 1-1 (VC)-US-NP	US5960205	08/960642		US	28-Sep-99	30-Oct-17	30-Oct-97	Upgrading The Control Of Switching Systems Polymer Material And Method For Optical Switching
Marcuse 31-79 (D) Marom 18 (DM)	Marcuse 31-79 (D)-US-NP	US6240226	09/133459	20070071441	US	29-May-01	13-Aug-18	13-Aug-98	And Modulation
	Marom 18 (DM)-US-NP	US7623790	11/233587	20070071441	US	24-Nov-09	13-Jul-28	24-Sep-05	Signal Identification Method
Martin 1-3 (SC)	Martin 1-3 (SC)-US-NP	US6351800	09/201312		US	26-Feb-02	29-Nov-18	29-Nov-98	A System And Method For Assisting A Microprocessor A Method Of Reporting Poor RF Coverage In A
Martin 43-25 (RB)	Martin 43-25 (RB)-US-NP	US8005472	12/002920	20090163197	US	23-Aug-11	15-Dec-29	19-Dec-07	Wireless Network Method And Apparatus For Message-Based Overload
			00 (405					25.	Control In A Distributed Call-Processor
Matragi 6-3 (WA)	Matragi 6-3 (WA)-US-NP	US6977899	09/488181		US	20-Dec-05	20-Jan-20	20-Jan-00	Communication System Technique For Video Communications Using A Coding
Matthews 19-1 (KN)	Matthews 19-1 (KN)-US-NP	US6459731	09/141949		US	1-Oct-02	28-Aug-18	28-Aug-98	Matched Filter Arrangement
NA	Mariak 1 /D) UC ND	USE 102116	00/144227			20 5-1- 01	31 * **	24 4 00	System And Method For Generating CID/CIDCW
Mayak 1 (B)	Mayak 1 (B)-US-NP	US6192116	09/144327		US	20-Feb-01	31-Aug-18	31-Aug-98	Information With A User Inputted Message Method Of Creating Security Associations In Mobile
McCann 12-38-28 (PJ)	McCann 12-38-28 (PJ)-US-NP	US8189544	11/474591	20070297377	US	29-May-12	16-Jan-29	26-Jun-06	IP Networks Method Of Creating Security Associations In Mobile
McCann 12-38-28 (PJ)	McCann 12-38-28 (PJ)-DE-EPT	EP2039116	07835844.7	EP2039116	DE	21-Dec-11	19-Jun-27	19-Jun-07	IP Networks Method Of Creating Security Associations In Mobile
McCann 12-38-28 (PJ)	McCann 12-38-28 (PJ)-FR-EPT	EP2039116	07835844.7	EP2039116	FR	21-Dec-11	19-Jun-27	19-Jun-07	IP Networks
McCann 12-38-28 (PJ)	McCann 12-38-28 (PJ)-GB-EPT	EP2039116	07835844.7	EP2039116	GB	21-Dec-11	19-Jun-27	19-Jun-07	Method Of Creating Security Associations In Mobile IP Networks
McCarthy 2 (M)	McCarthy 2 (M)-US-NP	US6636569	09/510807	1	US	21-Oct-03	23-Feb-20	23-Feb-00	Nyquist Band Frequency Translation
	, , ,								Method And Apparatus For Provisioning

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GHANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	HTLE
McDowell 4-14-2 (RL)	McDowell 4-14-2 (RL)-US-NP	US6078799	09/094171		US	20-Jun-00	9-Jun-18	9-Jun-98	System And Method For Calibrating Single Sideband Receiver Reject Image Product
McGowan 1 (JW)	McGowan 1 (JW)-US-NP	US6584104	09/347462		US	24-Jun-03	6-Jul-19	6-Jul-99	Lost-Packet Replacement For A Digital Voice Signal
McGowan 2 (JW)	McGowan 2 (JW)-US-NP	US6731634	09/526690		US	4-May-04	15-Mar-20	15-Mar-00	Lost Packet Replacement For Voice Applications Over Packet Network
									Method And Apparatus For Performing Multiple Bit
McGowan 26-23 (JW)	McGowan 26-23 (JW)-US-NP	US8121187	11/999361	20090147859	US	21-Feb-12	20-Dec-30	5-Dec-07	Rate Video Encoding And Video Stream Switching  Method And Apparatus For Performing Video Coding
` ′	McGowan 28-19 (JW)-US-NP	US8179960	12/291570	20100118958	US	15-May-12	20-Feb-31	12-Nov-08	And Decoding With Use Of Virtual Reference Data Controlled Routing To A Plurality Of Signaling
McGrew 3 (MA)	McGrew 3 (MA)-US-NP	US6327260	09/063175		US	4-Dec-01	20-Apr-18	20-Apr-98	Interfaces At A Single Telephonic Switch System And Method For Determining And Presenting
McKenzie 1-1 (WF)	McKenzie 1-1 (WF)-US-NP	US6886113	09/873828	20020184554	US	26-Apr-05	4-Jun-21	4-Jun-01	Network Problems System And Method For Determining A Definition Of Notification Message By Using A Identifier And Property Value(s) Of The Notification Message To Generate An Identification Number That Best Matches The Meaning Of The Original Notification
McKenzie 2-2 (WF)	McKenzie 2-2 (WF)-US-NP	US7016954	09/873683	20020188715	US	21-Mar-06	19-Dec-23	4-Jun-01	Message
McKinstrie 11 (CJ)	McKinstrie 11 (CI)-US-NP	US7436580	11/646190	20080158656	US	14-Oct-08	27-Dec-26	27-Dec-06	Optical Buffer Employing Four-Wave Mixing Polarization-Independent Four-Wave Mixing In A
	McKinstrie 13-18 (CJ)-US-NP	US7764423	12/259389	20100103505	US	27-Jul-10	23-Jan-29	28-Oct-08 29-Oct-97	Birefringent Fiber
	McLean 2-4 (N)-US-NP McNeil 1 (TE)-US-NP	US5904579 US5906686	08/960689 08/972547		US US	18-May-99 25-May-99	29-Oct-17 18-Nov-17	29-Oct-97 18-Nov-97	Right-Angle Adaptor For Coaxial Jacks Fiber Optic Connector Cleaning Process
Meder 2 (MG)	Meder 2 (MG)-US-NP	US6254689	09/264918		US	3-Jul-01	9-Mar-19	9-Mar-99	System And Method For Flash Photolysis Cleaning Of A Semiconductor Processing Chamber
	Meier 3-24-8 (SK)-US-NP	US7577086	10/824216	20050232141	US	18-Aug-09	20-May-28	14-Apr-04	Method Of Generating A Public Long Code Mask
, ,	Mendelsohn 3-1 (JP)-US-NP	US6507316	09/470202	20020000934	US	14-Jan-03	21-Dec-19	21-Dec-99	Method For Mounting Patch Antenna
									Reconfigurable Plasma Antenna With Interconnected
	Metz 10 (C)-US-NP	US7145512	11/093559	20060220980	US	5-Dec-06	30-Mar-25	30-Mar-05	Gas Enclosures Security Bar With Multiple Internal Rolling Bars And
, , ,	Meyer 1 (JA)-US-NP	US7143545	10/745884	20050146217	US	5-Dec-06	14-Mar-25	26-Dec-03	Electronic Monitoring Repeater Isolation Through Antenna Polarization
Meyer 2 (CJ)	Meyer 2 (CJ)-US-NP	US6049315	08/886199		US	11-Apr-00	1-Jul-17	1-Jul-97	Diversity
MFORM 6	MFORM 6-JP-PCT	JP5403837	20110529078	2012503939	JP	8-Nov-13	10-Sep-29	10-Sep-09	System and method for providing least-cost routing of voice connections between home and foreign networks using voice-over-IP infrastructure
MFORM 6	MFORM 6-US-NP	US8335212	12/238742	20100080128	US	18-Dec-12	26-Sep-28	26-Sep-08	System and method for providing least-cost routing of voice connections between home and foreign networks using voice-over-IP infrastructure
Miesner 1 (JE)	Miesner 1 (JE)-US-NP	US5878997	08/926841		US	9-Mar-99	10-Sep-17	10-Sep-97	Compact Low-Inductance Magnetorheological Damper
Milbar 1-9 (M)	Milbar 1-9 (M)-JP-NP	JP5323291	2000282034		JP	26-Jul-13	18-Sep-20	18-Sep-00	Method And Apparatus For Partial And Course Frequency Offset Estimation In A Digital Audio Broadcasting (DAB) System
Milipai 1-3 (MI)	Milipai 1-2 (Mil-36-146	JF3525251	2000282034		Jr .	20-301-13	16-3ep-20	18-зер-00	Method And Apparatus For Partial And Course Frequency Offset Estimation In A Digital Audio
	Milbar 1-9 (M)-US-NP Miller 2-2 (JH)-US-NP	US6807241 US5933491	09/396058 08/886828		US US	19-Oct-04 3-Aug-99	15-Sep-19 1-Jul-17	15-Sep-99 1-Jul-97	Broadcasting (DAB) System Switched Integrated Network Access System
Mills 17 (AP)	Mills 17 (AP)-US-NP	US6458676	09/888879		US	1-Oct-02	25-Jun-21	25-Jun-01	A Method Of Varying The Resistance Along A Conductive Layer Method Of Generating Nucleic Acid Oligomers Of
	Mills 7-8 (AP)-US-CIP	US6150102	09/078761		US	21-Nov-00	3-Feb-18	15-May-98	Known Composition
	Mills 9-10 (AP)-US-CIP Mills 13 (AP)-US-CIP	US6537747 US7297479	09/238888 09/741179	20030022164	US US	25-Mar-03 20-Nov-07	3-Feb-18 6-Aug-21	28-Jan-99 21-Dec-00	Data Transmission Using DNA Oligomers DNA-Based Analog Neural Networks
Minkoff 3 (J)	Minkoff 3 (J)-US-NP	US6108564	09/001852		US	22-Aug-00	31-Dec-17	31-Dec-97	Interference Rejection By Means Of -Space Transformations
Mitchell 1-2-1-1 (RC)	Mitchell 1-2-1-1 (RC)-US-NP	US6283771	09/059507		US	4-Sep-01	13-Apr-18	13-Apr-98	Grounding Techniques To Improve The Performance Of RF Coaxial Lightning Protector
	Mitchell 1-5-11 (CD)-US-NP						11 1 1 20		Method And Apparatus For Recognition-Based Barge- In Detection In The Context Of Subword-Based Automatic Speech Recognition
Mitchell 1-5-11 (CD)	Witchell 1-3-11 (CD)-US-NP	US6574595	09/614018		US	3-Jun-03	11-Jul-20	11-Jul-00	Multicommodity Flow Method For Designing Traffic
Mitra 15-15 (D)	Mitra 15-15 (D)-DE-EPA	EP1076472	00306514.1	EP1076472	DE	4-Sep-02	31-Jul-20	31-Jul-00	Distribution On A Multiple-Service Packetized Network Multicommodity Flow Method For Designing Traffic
Mitra 15-15 (D)	Mitra 15-15 (D)-FR-EPA	EP1076472	00306514.1	EP1076472	FR	4-Sep-02	31-Jul-20	31-Jul-00	Distribution On A Multiple-Service Packetized Network
Mitra 15-15 (D)	Mitra 15-15 (D)-GB-EPA	EP1076472	00306514.1	EP1076472	GB	4-Sep-02	31-Jul-20	31-Jul-00	Multicommodity Flow Method For Designing Traffic Distribution On A Multiple-Service Packetized Network
a 15-15 (b)	d 15 15 (b)-GD-EFA	10,0412			30	4 30p-02	51-30/20	51-301-00	Multicommodity Flow Method For Designing Traffic Distribution On A Multiple-Service Packetized
Mitra 15-15 (D)	Mitra 15-15 (D)-JP-NP	JP4567160	2000239399		JP	13-Aug-10	8-Aug-20	8-Aug-00	Network  Multicommodity Flow Method For Designing Traffic
Mitra 15-15 (D)	Mitra 15-15 (D)-US-NP	US6721270	09/370826		US	13-Apr-04	9-Aug-19	9-Aug-99	Distribution On A Multiple-Service Packetized Network Decision Support Mechanisms For Bandwidth
Mitra 21-20-1 (D)	Mitra 21-20-1 (D)-US-NP	US7123588	10/163140		US	17-Oct-06	4-Jan-25	4-Jun-02	Commerce In Communication Networks
Mitra 26-14-14-11 (D)	Mitra 26-14-14-11 (D)-JP-PCT	JP5415085	2008554367	2009526484	JP	22-Nov-13	8-Feb-27	8-Feb-07	Intelligent Media Gateway Selection For Multimedia Communication Sessions
Mitra 26-14-14-11 (D)	Mitra 26-14-14-11 (D)-US-NP	US8937957	11/351367	20070189268	US	20-Jan-15	1-Nov-31	10-Feb-06	Intelligent Media Gateway Selection For Multimedia Communication Sessions
Mitra 28-14-16-31 (D)	Mitra 28-14-16-31 (D)-US-NP	US8055134	12/178104	20100021165	US	8-Nov-11	27-Feb-30	23-Jul-08	Optical Telecommunications Network And Method
Mitrofanov 2 (O)	Mitrofanov 2 (O)-US-NP	US7608827	11/350992	20070181811	US	27-Oct-09	18-Nov-27	9-Feb-06	Near-Field Terahertz Imaging
Mizera 1-2-1 (RB)	Mizera 1-2-1 (RB)-US-NP	US6144994	09/104525		US	7-Nov-00	25-Jun-18	25-Jun-98	Interface For Flexible Address Bandwidth Allocation
Mizikovsky 24-1 (SB)	Mizikovsky 24-1 (SB)-US-NP	US6697490	09/422205		US	24-Feb-04	19-Oct-19	19-Oct-99	Automatic Resynchronization Of Crypto-Sync Information

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	саяс Яегеяенсе	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	TI TLE
Mizikovsky 25 (SB)	Mizikovsky 25 (SB)-DE-EPA	EP1124401	01300755.4	EP1124401	DE	12-Dec-07	29-Jan-21	29-Jan-01	Method And Apparatus For Performing A Key Update Using Update Key
Mizikovsky 25 (SB)	Mizikovsky 25 (SB)-FI-EPA	EP1124401	01300755.4	EP1124401	FI	12-Dec-07	29-Jan-21	29-Jan-01	Method And Apparatus For Performing A Key Update Using Update Key
Mizikovsky 25 (SB)	Mizikovsky 25 (SB)-FR-EPA	EP1124401	01300755.4	EP1124401	FR	12-Dec-07	29-Jan-21	29-Jan-01	Method And Apparatus For Performing A Key Update Using Update Key
Mizikovsky 25 (SB)	Mizikovsky 25 (SB)-GB-EPA	EP1124401	01300755.4	EP1124401	GB	12-Dec-07	29-Jan-21	29-Jan-01	Method And Apparatus For Performing A Key Update Using Update Key
Mizikovsky 25 (SB)		EP1124401	01300755.4	EP1124401	SE			29-Jan-01	Method And Apparatus For Performing A Key Update
	Mizikovsky 25 (SB)-SE-EPA			EP1124401		12-Dec-07	29-Jan-21		Using Update Key Method And Apparatus For Performing A Key Update
Mizikovsky 25 (SB)	Mizikovsky 25 (SB)-US-NP	US6853729	09/500869		US	8-Feb-05	9-Feb-20	9-Feb-00	Using Update Key Method And Apparatus For Performing A Key Update
Mizikovsky 25 (SB)	Mizikovsky 25 (SB)-JP-NP	JP5036099	2001-019495		JP	13-Jul-12	29-Jan-21	29-Jan-01	Using Update Key Bootstrapping Method For Setting Up A Security
Mizikovsky 41-32-7 (SB)	Mizikovsky 41-32-7 (SB)-US-NP	US8667151	11/836313	20090043901	US	4-Mar-14	28-May-28	9-Aug-07	Association Automatic Duty Cycle Controller For Ultra High Speed
Mizuhara 4 (O) Mobilitec 5	Mizuhara 4 (O)-US-NP Mobilitec 5 ()-EP-EPT	US6417709	09/070350 04770602.3	EP1678911	US EP	9-Jul-02	30-Apr-18 10-Oct-24	30-Apr-98 10-Oct-04	Digital Multiplexer Service Platform For Cellular Telephony
Mobilitec 5	Mobilitec 5 ()-US-PCT	US8818338	10/573832	20070088837	US	26-Aug-14	10-Oct-24 10-Aug-26	10-Oct-04	Service Platform For Cellular Telephony
Moeller 12 (LB)	Moeller 12 (LB)-US-NP	US6798930	10/132010	20030202226	US	28-Sep-04	25-Apr-22	25-Apr-02	Method And Apparatus For Providing Integrated Broadband Polarization Control
Moeller 19-8 (LB)	Moeller 19-8 (LB)-US-NP	US7643761	10/782231	20050185969	US	5-Jan-10	21-Apr-26	19-Feb-04	Method And Apparatus For Processing Optical Duobinary Signals
Moeller 2 (LBE)	Moeller 2 (LBE)-US-NP	US6236495	09/167867		US	22-May-01	7-Oct-18	7-Oct-98	Optical Dispersion Compensation
Moganti 1 (M)	Moganti 1 (M)-US-NP	US6229878	09/010051		us	8-May-01	21-Jan-18	21-Jan-98	Improved Telephone Answering Method And Apparatus
Moghe 2 (P)	Moghe 2 (P)-US-NP	US6173323	08/998213		US	9-Jan-01	24-Dec-17	24-Dec-97	Adaptive Polling Rate Algorithm for SNMP-Based Network Monitoring
									Method And Apparatus For Automatically Assigning Virtual Concatenation Group Members To Virtual
Molina 1 (A)	Molina 1 (A)-US-NP	US7633950	11/088376	20060218254	US	15-Dec-09	15-Oct-28	24-Mar-05	Concatenation Groups
Mollenauer 45 (LF)	Mollenauer 45 (LF)-US-NP	US6532330	09/596454		US	11-Mar-03	19-Jun-20	19-Jun-00	Dispersion Managed Optical Transmission Line And Method For Making Same
Monge 2-3 (DL)	Monge 2-3 (DL)-US-NP	US6105035	09/024913		us	15-Aug-00	17-Feb-18	17-Feb-98	Object Oriented Programming Using Standard Structured Query Language (SQL)
Monnard 5 (RH)	Monnard 5 (RH)-US-NP	US5995524	09/170856		US	30-Nov-99	13-Oct-18	13-Oct-98	Real-Time Dynamic Chirp Measurements of Optical Signal
			·	20020077440					Method To Control Base Station Transmit Power Drift
Monogioudis 12-31 (P)	Monogioudis 12-31 (P)-US-NP	US7006841	09/741637	20020077140	US	28-Feb-06	17-Jul-21	20-Dec-00	During Soft Handoffs Decoderless Bit-Error-Rate Estimation For
Monogioudis 16-32 (P)	Monogioudis 16-32 (P)-US-NP	US7430237	09/788715	20030142727	US	30-Sep-08	7-Sep-25	20-Feb-01	Convolutionally Encoded Transmissions In Wireless Systems
	•								Compensation Based Bit-Error Rate (BER) Estimation For Convolutionally Encoded Transmissions In
Monogioudis 17-33 (P)	Monogioudis 17-33 (P)-US-NP	US7065159	09/808376	20020172302	US	20-Jun-06	5-Jan-24	14-Mar-01	Wireless Systems
Montgomery 4-2 (RK)	Montgomery 4-2 (RK)-US-NP	US6064260	09/205473		US	16-May-00	4-Dec-18	4-Dec-98	RF Amplifier With Redundant Power Supply
Montgomery 9-4 (WA)	Montgomery 9-4 (WA)-US-NP	US7123709	09/677919		US	17-Oct-06	23-Nov-22	3-Oct-00	Method For Audio Stream Monitoring On Behalf Of A Calling Party
Mooney 40-23-2 (PD)	Mooney 40-23-2 (PD)-US-NP	US6980331	09/452198		US	27-Dec-05	2-Dec-19	2-Dec-99	Automated Send To Embedded Fax/E-Mail Address
									Method For Controlling Packet Delivery In A Packet
Mooney 5-27 (CF)	Mooney 5-27 (CF)-JP-PCT	JP4769306	2008550380	2009524287	JP	24-Jun-11	10-Jan-27	10-Jan-07	Switched Network  Method For Controlling Packet Delivery In A Packet
Mooney 5-27 (CF)	Mooney 5-27 (CF)-CN-PCT	ZL80002364.1	200780002364.1	101371529	CN	27-Jul-11	10-Jan-27	10-Jan-07	Switched Network Method For Controlling Packet Delivery In A Packet
Mooney 5-27 (CF)	Mooney 5-27 (CF)-EP-EPT		07716496.0	EP1972116	EP		10-Jan-27	10-Jan-07	Switched Network Method For Controlling Packet Delivery In A Packet
Mooney 5-27 (CF)	Mooney 5-27 (CF)-US-NP	US7782862	11/332761	20070165643	US	24-Aug-10	22-Apr-29	13-Jan-06	Switched Network  Method And Apparatus For Improving Efficiency Of
Morrar 1 (S)	Morrar 1 (S)-US-NP	US6418304	09/154225		US	9-Jul-02	16-Sep-18	16-Sep-98	High-Power Linear Amplifier
Morrell 6 (EA)	Morrell 6 (EA)-US-NP	US5934912	08/988348		us	10-Aug-99	10-Dec-17	10-Dec-97	Technique For Effectively Distributing Communication Connections
									Determining Impact Of Test Operations At A Product
Mosher 1 (JH)	Mosher 1 (JH)-US-NP	US7089144	10/919617	20060052966	US	8-Aug-06	20-Jan-25	17-Aug-04	Assembly And Test Facility With Repairable Products Improved Method And Apparatus For Dynamic Time
Motyka 1-1 (SD)	Motyka 1-1 (SD)-US-NP	US6400714	09/209451		us	4-Jun-02	11-Dec-18	11-Dec-98	Slot Assignment
Moustakas 3-4-4-2 (AL)	Moustakas 3-4-4-2 (AL)-US-NP	US6380910	09/757993		US	30-Apr-02	10-Jan-21	10-Jan-01	Wireless Communications Device Having A Compact Antenna Cluster
Moustakas 5-6 (AL)	Moustakas 5-6 (AL)-US-NP	US6782257	10/246843		US	24-Aug-04	18-Sep-22	18-Sep-02	Method For Modeling An Information Capacity Of A Multiantenna Wireless System
	Munoz 1 (RJ)-US-NP	US6343124	09/102175		US	29-Jan-02	22-Jun-18	22-Jun-98	Telephone Networking System
Munoz 2-10-32 (RJ)	Munoz 2-10-32 (RJ)-US-NP	US6741585	09/565528		us	25-May-04	5-May-20	5-May-00	Interworking Of Addressing In An Internetwork
Muthukrishnan 6-1-2 (S)	Muthukrishnan 6-1-2 (S)-US-NP	US6185220	09/097878		us	6-Feb-01	15-Jun-18	15-Jun-98	Improved Grid Layouts Of Switching And Sorting Networks
Myer 50 (RE)	Myer 50 (RE)-US-NP	US5994957	08/994830		US	30-Nov-99	19-Dec-17	19-Dec-97	Feed Forward Amplifier Improvement Calibration System For Feed Forward Distortion
Myer 56 (RE)	Myer 56 (RE)-US-NP	US6052023	09/144018		US	18-Apr-00	31-Aug-18	31-Aug-98	Reduction System
									Feed Forward Amplifier Improvement Incorporating
Myer 57 (RE)	Myer 57 (RE)-US-NP	US6069531	09/144245		US	30-May-00	31-Aug-18	31-Aug-98	An Automatic Gain And Phase Controller
Myer 60-5 (RE)	Myer 60-5 (RE)-US-NP	US5926067	09/162697		US	20-Jul-99	29-Sep-18	29-Sep-98	Sweep Pilot Technique For A Control System That Reduces Distortion ProducedBy Electrical Circuits
Myer 64 (RE)	Myer 64 (RE)-US-NP	US5986499	09/217637		US	16-Nov-99	21-Dec-18	21-Dec-98	Pilot Signal Detection System Using Band Reject Filter Efficient Architectures For Protection Against
Nagarajan 12 (R)	Nagarajan 12 (R)-JP-NP	JP4638079	2001160188		JP	3-Dec-10	29-May-21	29-May-01	Network Failures Efficient Architectures For Protection Against
Nagarajan 12 (R)	Nagarajan 12 (R)-US-NP	US7342873	09/587892		US	11-Mar-08	26-Jan-25	6-Jun-00	Network Failures
Nagarajan 8-6 (R)	Nagarajan 8-6 (R)-US-NP	US6240066	09/017586		US	29-May-01	3-Feb-18	3-Feb-98	A Dynamic Bandwidth and Buffer Management Algorithm for Multi-Service ATM Switches
Nagarajan 9-16 (R)	Nagarajan 20-31 (R)-US-CNT	US6683852	10/264415	20030063624	US	27-Jan-04	15-Dec-18	4-Oct-02	Call Admission Control Methods And Apparatus For Improving Route Selection In Packet Networks

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	application Number	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	TITLE
Nagesh 13-29 (HS)	Nagesh 13-29 (HS)-US-NP	US7652986	10/856444	20050286425	US	26-Jan-10	11-May-28	28-May-04	Route Determination with Differential Delay Compensation For Virtually-Concatenated Data Traffic
	Naik 2 (T)-US-NP	US7006506	09/664565		US	28-Feb-06	11-Sep-22	18-Sep-00	Automatic Detection And Configuration Of OSPF Virtual Links
, ,	Najda 2-8-1 (JJ)-US-NP	US7035208	09/449649		US	25-Apr-06	30-Nov-19	30-Nov-99	Reverse Statistical Multiplexing To Achieve Efficient Digital Packing With Link Protection
	Nakayama 1-2 (MK)-US-NP	US6661775	09/368931		US	9-Dec-03	5-Aug-19	5-Aug-99	Redundant Routing With Deadlines In Data Networks
	Nandagopal 16-52 (T)-US-NP	US8280928	12/415375	20100251123	US	2-Oct-12	29-Sep-30	31-Mar-09	Multi-Level Enmeshed Directory Structures
	Nandagopal 18-54 (T)-US-NP	US8542602	12/317807	20100165855	US	24-Sep-13	19-Sep-29	30-Dec-08	Apparatus And Method For A Multi-Level Enmeshed Policer
	Narayanan 5 (C)-US-NP	US5980120	08/936416	20100103033	US	9-Nov-99	25-Sep-17	25-Sep-97	Fiber Array Test Method And Apparatus User Interface For Entering And Editing Data In Data
Narayanaswamy 7 (S)	Narayanaswamy 7 (S)-US-NP	US6167411	09/102195		US	26-Dec-00	22-Jun-18	22-Jun-98	Entry Fields  Dynamic Algorithms For Shortest Path Tree
Narvaez-Guarnieri 1-2 (P)	Narvaez-Guarnieri 1-2 (P)-US-NP	US6098107	08/961736		US	1-Aug-00	31-Oct-17	31-Oct-97	Computation
Narvaez-Guarnieri 2-3 (P)	Narvaez-Guarnieri 2-3 (P)-US-NP	US6347078	09/132032		US	12-Feb-02	11-Aug-18	11-Aug-98	Multiple Path Routing  Methods Of Imaging Based On Wavelet Retrieval Of
Natsev 1-33-8 (AI)	Natsev 1-33-8 (AI)-US-NP	US6751363	09/371112		US	15-Jun-04	10-Aug-19	10-Aug-99	Scenes
Nealon 3 (RJ)	Nealon 3 (RJ)-US-NP	US7573869	10/666684	20050064907	US	11-Aug-09	15-Jan-26	18-Sep-03	Use Of A Single Broadband SS7 Signaling Gateway For Multiple Wireless Access Gateways
	Nelson 2-1-1 (DJ)-US-NP	US7221912	10/652213	20050048924	US	22-May-07	15-Apr-25	29-Aug-03	Telecommunications Management Interface System
	Neston 2-14 (SA)-US-NP	US6402590	09/594139		US	11-Jun-02	14-Jun-20	14-Jun-00	Carrier Head With Controllable Struts For Improved Wafer Planarity
` ′	Newland 9 (PB)-US-NP	US5949291	09/010365		US	7-Sep-99	21-Jan-18	21-Jan-98	Synthesizer With Digital Frequency Adjustment
	Newton 3 (KA)-US-NP	US6256519	09/020315		US	3-Jul-01	9-Feb-18	9-Feb-98	Cordless Telephone With Corded Operability System Architecture for and Method of Dual Path
Novahit 1	Nexabit 1 ()-US-NP	US5918074	08/900757		US	29-Jun-99	25-Jul-17	25-Jul-97	Data Processing and Management of Packets and/or
Nexabit 1	Nexabit 1 ()-05-NP	053918074	06/300737		05	25-Juli-35	23-Jul-17	23-301-97	Cells and the Like
Nexabit 10	Nexabit 10 ()-US-NP	US5991163	09/190521		US	23-Nov-99	12-Nov-18	12-Nov-98	Electronic Circuit Board Assembly and Method of Closely Stacking Boards and Cooling the Same
Name 1 to 2	Marrahia 2 () HC MD	HEC JEDOOD	00/001040		lic.	10 1 01	30 Dec 17	20 0 07	System and Architecture for and Method of
	Nexabit 3 ()-US-NP	US6259699 US8417112	09/001040	20040243888	US	10-Jul-01	30-Dec-17	30-Dec-97	Processing Packets and/or Cells in a Common Switch Protection Switching In WDM Rings Using A Shared
	Ngo 1 (DD)-US-NP Nguyen 1 (A)-US-NP	US6191670	10/448559 09/313589	20040243888	US	9-Apr-13 20-Feb-01	17-Aug-29 18-May-19	30-May-03 18-May-99	Ring Switch Low-Loss Duplexer Without Setting
									Frequency Division Duplexing System Which
	Nguyen 5-40 (M)-US-NP	US6333920	08/926497		US	25-Dec-01	8-Sep-17	8-Sep-97	Accommodates Symmetric And Asymmetric Channels Method And Memory Cache For Cache Locking On
	Nicol 13-6 (CJ)-US-NP	US6438655	09/437271		US	20-Aug-02	10-Nov-19	10-Nov-99	Bank-By-Bank Basis Optical Wavelength Add/Drop Multiplexer For Dual
	Nielsen 8-4-5 (TN)-US-NP	US6559988	09/464832		US	6-May-03	16-Dec-19	16-Dec-99	Signal Transmission Rates System And Method For Reducing Switching
	Nithi 3-6-2 (NK)-US-NP	US7492725	11/000182	20060114829	US	17-Feb-09	28-Nov-26	30-Nov-04	Overhead In A Commuication Network  Value Based Scoring For Optical Character
Nohl 3-1 (CR)	Nohl 3-1 (CR)-US-NP	US6608944	08/901304		US	19-Aug-03	28-Jul-17	28-Jul-97	Recognition
Noite 2-4 (DB)	Noite 2-4 (DB)-US-NP	US7039681	09/783842	20020152312	US	2-May-06	16-Feb-23	15-Feb-01	Data Processing System Initiated Telecommunication Sessions Between Patrons And Resource Providers
Nordgaard 2-5-10 (JK)	Nordgaard 2-5-10 (JK)-US-NP	US6628626	09/347165		US	30-Sep-03	2-Jul-19	2-Jul-99	Wireless Data Communications Using Asymmetric Channel Allocation
Norman 1 (TA)	Norman 1 (TA)-US-NP	US8510148	11/069261	20060212327	US	13-Aug-13	16-Sep-33	1-Mar-05	Methods And Apparatus For Associating And Displaying Project Planning And Management Information In Conjunction With Geographic Information
									Efficient List Decoding Of Reed-Solomon Codes For Message Recovery In The Presence Of High Noise
Olshevsky 1-2 (V)	Olshevsky 1-2 (V)-US-NP	US6631172	09/563602		US	7-Oct-03	1-May-20	1-May-00	Levels A Method And Apparatus For Resolving Domain
Ong 11 (P)	Ong 11 (P)-US-NP	US7765179	09/201749	20020016789	US	27-Jul-10	27-Aug-23	1-Dec-98	Names Of Persistent Web Resources  Mobile-TCP And Method Of Establishing And
Orsic 7 (M)	Orsic 7 (M)-DE-EPA	EP0998098	99308217.1	EP0998098	DE	14-Jun-06	18-Oct-19	18-Oct-99	Maintaining A Mobile-TCP Connection  Mobile-TCP And Method Of Establishing And
Orsic 7 (M)	Orsic 7 (M)-FR-EPA	EP0998098	99308217.1	EP0998098	FR	14-Jun-06	18-Oct-19	18-Oct-99	Maintaining A Mobile-TCP Connection  Mobile-TCP And Method Of Establishing And
Orsic 7 (M)	Orsic 7 (M)-GB-EPA	EP0998098	99308217.1	EP0998098	GB	14-Jun-06	18-Oct-19	18-Oct-99	Maintaining A Mobile-TCP Connection  System For Coordinating Calls Between An Adjunct
Otto 12-7-1 (MR)	Otto 12-7-1 (MR)-US-NP	US6122359	08/923315		US	19-Sep-00	4-Sep-17	4-Sep-97	Device And A Switching System System For Providing Virtual Called Party
Otto 15 (MR)	Otto 15 (MR)-US-NP	US6163606	09/154135		US	19-Dec-00	16-Sep-18	16-Sep-98	Identification In A Voice Mail System Security System And Method For Detecting Chassis
Paas 6-7 (TJ)	Paas 6-7 (TJ)-US-NP	US5877697	08/900994		US	2-Mar-99	25-Jul-17	25-Jul-97	Tampering
Palat 5-3-6 (SK)	Palat 5-3-6 (SK)-AU-NP	AU744531	53423/00		AU	13-Jun-02	15-Aug-20	15-Aug-00	RAU Optimisation For UMTS URA Connected State
Palat 5-3-6 (SK)	Palat 5-3-6 (SK)-DE-EPA	EP1079655	99306649.7	EP1079655	DE	9-Feb-05	23-Aug-19	23-Aug-99	RAU Optimisation For UMTS URA Connected State
	Palat 5-3-6 (SK)-FR-EPA	EP1079655	99306649.7	EP1079655	FR	9-Feb-05	23-Aug-19	23-Aug-99	RAU Optimisation For UMTS URA Connected State
	Palat 5-3-6 (SK)-GB-EPA	EP1079655	99306649.7	EP1079655	GB	9-Feb-05	23-Aug-19	23-Aug-99	RAU Optimisation For UMTS URA Connected State
	Palat 5-3-6 (SK)-JP-NP	JP4365015	2000243621		JP	28-Aug-09	11-Aug-20	11-Aug-00	RAU Optimisation For UMTS URA Connected State
Palat 5-3-6 (SK)	Palat 5-3-6 (SK)-US-NP	US6765890	09/642559		US	20-Jul-04	1-Oct-22	21-Aug-00	RAU Optimisation For UMTS URA Connected State
	Papatheodorou 1 (S)-KR-NP Pardo 20 (F)-US-NP	KR307338 US8120133	983046 11/519142	20080061387	KR US	20-Aug-01 21-Feb-12	4-Feb-18 1-Sep-29	4-Feb-98 11-Sep-06	Aperture-Coupled Planar Inverted-F Antenna Micro-Actuator And Locking Switch
Park 1 (J)	Park 1 (J)-US-NP	US6546415	09/312524		US	8-Apr-03	14-May-19	14-May-99	Network Management System Using A Distributed Namespace
									Controlling Customized Announcements to Subscribers and Responses Thereto in an
Parker 1-3-17 (DG)	Parker 1-3-17 (DG)-US-NP	US6771748	10/255465		US	3-Aug-04	4-Oct-22	26-Sep-02	Telecommunication System

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

	CASE	GRANT	APPLICATION	PUBLICATION:		rssue		APPLICATION	:
Patel 16 (5)	REFERENCE Patel 16 (S)-DE-EPA	NUMBER EP1213943	NUMBER 01306907.5	NUMBER EP1213943	COUNTRY DE	BATE 8-Mar-06	14-Aug-21	DATE 14-Aug-01	TFTLE Key Conversion System And Method
Patel 16 (S)	Patel 16 (S)-ES-EPA	EP1213943	01306907.5	EP1213943	ES	8-Mar-06	14-Aug-21	14-Aug-01	Key Conversion System And Method
Patel 16 (S) Patel 16 (S)	Patel 16 (S)-FR-EPA Patel 16 (S)-GB-EPA	EP1213943 EP1213943	01306907.5 01306907.5	EP1213943 EP1213943	FR GB	8-Mar-06 8-Mar-06	14-Aug-21 14-Aug-21	14-Aug-01 14-Aug-01	Key Conversion System And Method Key Conversion System And Method
Patel 16 (S) Patel 16 (S)	Patel 16 (S)-IT-EPA Patel 16 (S)-US-NP	EP1213943 US6857075	01306907.5 09/734148	EP1213943 20020071558	IT US	8-Mar-06 15-Feb-05	14-Aug-21 11-Dec-20	14-Aug-01 11-Dec-00	Key Conversion System And Method Key Conversion System And Method
				20020071338					
Patel 2 (S) Patel 20 (S)	Patel 2 (S)-US-NP Patel 20 (S)-KR-NP	US6118993 KR1056342	09/002852 20040027861		US KR	12-Sep-00 5-Aug-11	5-Jan-18 22-Apr-24	5-Jan-98 22-Apr-04	Effective Use Of Dialed Digits In Call Origination  Method For Generating A Code Mask For Coding  Transmission Over A Traffic Channel
Patel 20 (S)	Patel 20 (S)-US-NP	US7697413	10/423947	20040213280	US	13-Apr-10	1-Dec-26	28-Apr-03	Method For Generating A Code Mask For Coding Transmission Over A Traffic Channel
Patel 21 (S)	Patel 21 (S)-EP-EPA		04254507.9	EP1507428	EP		28-Jul-24	28-Jul-04	Generating A Code Mask Based On Geographical Coordinate Values
Patel 21 (S)	Patel 21 (S)-US-NP	US7596381	10/641526	20050037778	US	29-Sep-09	27-Jul-28	15-Aug-03	Generating A Code Mask Based On Geographical Coordinate Values
Patel 21 (S)	Patel 21 (5)-JP-NP	JP4542389	2004235692	2005065292	JP	2-Jul-10	13-Aug-24	13-Aug-04	Generating A Code Mask Based On Geographical Coordinate Values
Patel 3-1 (S)	Patel 3-1 (S)-US-NP	US6285761	09/034829		US	4-Sep-01	4-Mar-18	4-Mar-98	A Method For Generating Pseudo-Random Numbers
	146.0 1 (6) 00 11								Apparatus For Protecting Circuit Pack Assemblies
Patel 5-1 (NC)	Patel 5-1 (NC)-US-NP	US6317325	09/510808		US	13-Nov-01	23-Feb-20	23-Feb-00	From Thermal And Electromagnetic Effects  Method For Securing Over-The-Air Communication In
Patel 6 (S)	Patel 6 (S)-DE-EPA	EP0998080	99305714.0	EP0998080	DE	25-Jan-06	20-Jul-19	20-Jul-99	A Wireless System  Method For Securing Over-The-Air Communication In
Patel 6 (S)	Patel 6 (S)-FR-EPA	EP0998080	99305714.0	EP0998080	FR	25-Jan-06	20-Jul-19	20-Jul-99	A Wireless System  Method For Securing Over-The-Air Communication In
Patel 6 (S)	Patel 6 (S)-GB-EPA	EP0998080	99305714.0	EP0998080	GB	25-Jan-06	20-Jul-19	20-Jul-99	A Wireless System  Method For Securing Over-The-Air Communication In
Patel 6 (S)	Patel 6 (S)-JP-NP	JP3513054	214540/1999	2000083286	JP	16-Jan-04	29-Jul-19	29-Jul-99	A Wireless System
Patel 6 (S)	Patel 6 (S)-US-NP	US6374355	09/127045		US	16-Apr-02	31-Jul-18	31-Jul-98	Method For Securing Over-The-Air Communication In A Wireless System
Patel 7 (S)	Patel 7 (S)-DE-EPA	EP0998095	99305704.1	EP0998095	DE	25-Feb-04	20-Jul-19	20-Jul-99	Method For Two Party Authentication And Key Agreement
			99305704.1	EP0998095				20-Jul-99	Method For Two Party Authentication And Key
Patel 7 (S)	Patel 7 (S)-FR-EPA	EP0998095			FR	25-Feb-04	20-Jul-19		Agreement Method For Two Party Authentication And Key
Patel 7 (S)	Patel 7 (S)-GB-EPA	EP0998095	99305704.1	EP0998095	GB	25-Feb-04	20-Jul-19	20-Jul-99	Agreement Method For Two Party Authentication And Key
Patel 7 (S)	Patel 7 (S)-US-NP	US6918035	09/127767		US	12-Jul-05	6-Jul-21	31-Jul-98	Agreement Audio Watermarking For Call Identification In A
Patfield 1 (KM)	Patfield 1 (KM)-US-NP	US7729339	10/632196	20050025126	US	1-Jun-10	26-Sep-28	31-Jul-03	Telecommunications Network
Patfield 2-1 (KM)	Patfield 2-1 (KM)-US-NP	US7330465	10/699261	20050094624	US	12-Feb-08	19-Jul-26	31-Oct-03	Auto Provisioning For A Voice Over IP Gateway  Method And Apparatus For Load Sharing On A Wide
Paul 19-7 (S)	Paul 19-7 (S)-US-NP	US6314465	09/266339		US	6-Nov-01	11-Mar-19	11-Mar-99	Area Network Adaptive Communications Transcoding And Error
Pauls 3-3 (RJ)	Pauls 3-3 (RI)-US-NP	US6920150	08/940760		US	19-Jul-05	30-Sep-17	30-Sep-97	Control  A Perceptual Compression And Robust Bit-Rate
Pauls 4 (RJ)	Pauls 4 (RJ)-US-NP	US6185253	08/961624		US	6-Feb-01	31-Oct-17	31-Oct-97	Control System System And method For Phase Recovery In A
Pawelski 11 (RL)	Pawelski 11 (RL)-US-NP	US6307869	09/111597		US	23-Oct-01	7-Jul-18	7-Jul-98	Synchronous Communication System Antenna Alignment Using A Temperature-Dependent
Pawlenko 100-20-17 (I)	Pawlenko 100-20-17 (I)-US-NP	US6933901	10/389067	20040178963	US	23-Aug-05	8-Jun-23	14-Mar-03	Driver Electromagnetic Shield Assembly With Opposed
Pawienko 112-25 (I)	Pawlenko 112-25 (I)-US-NP	US7113410	10/816354	20050219832	US	26-Sep-06	1-Apr-24	1-Apr-04	Hook Flanges Automatic Recycling Of Exhaust Tubes For Fiber
Pawlenko 122-34 (I)	Pawlenko 122-34 (I)-US-NP	US7629551	11/329581		US	8-Dec-09	2-Mar-28	11-Jan-06	Optics
Peale 10 (DR)	Peale 10 (DR)-US-NP	US6370219	09/294485		US	9-Apr-02	20-Apr-19	20-Apr-99	Self-Modulated, Filament-Based, Solid State Laser
Peragine 4 (FJ)	Peragine 4 (FJ)-US-NP	US6623185	09/595782		US	23-Sep-03	16-Jun-20	16-Jun-00	Loss Of Signal Detector For Low-Level Optical Signals
	Descine 1.2 (A) ID ND			2000120402	ID.				A Method And Appratus For Providing Managed
Pereira 1-2 (A)	Pereira 1-2 (A)-JP-NP	JP5031224	2005313651	2006129492	JP	6-Jul-12	28-Oct-25	28-Oct-05	Roaming Service In A Wireless Network
Pereira 1-2 (A)	Pereira 1-2 (A)-CN-NP	ZL10116090.1	200510116090.1	CN1767690A	CN	16-Jun-10	28-Oct-25	28-Oct-05	A Method And Appratus For Providing Managed Roaming Service In A Wireless Network
Pereira 1-2 (A)	Pereira 1-2 (A)-DE-EPA	EP1653764	05256098.4	EP1653764	DE	14-May-08	29-Sep-25	29-Sep-05	A Method And Appratus For Providing Managed Roaming Service In A Wireless Network
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Pereira 1-2 (A)	Pereira 1-2 (A)-FR-EPA	EP1653764	05256098.4	EP1653764	FR	14-May-08	29-Sep-25	29-Sep-05	A Method And Appratus For Providing Managed Roaming Service In A Wireless Network
									A Method And Appratus For Providing Managed
Pereira 1-2 (A)	Pereira 1-2 (A)-GB-EPA	EP1653764	05256098.4	EP1653764	GB	14-May-08	29-Sep-25	29-Sep-05	Roaming Service In A Wireless Network  Methods And Systems For Computing The Quality Of
Perinkulam 5-9 (S)	Perinkulam 5-9 (S)-US-NP	US9118919	11/647366	20080159410	US	25-Aug-15	3-Dec-31	29-Dec-06	An MPEG-2 Video Stream  Method For Detecting Fraudulent Use Of A
Peterson 3 (DC)	Peterson 3 (DC)-US-NP	US6266525	09/213905		US	24-Jul-01	17-Dec-18	17-Dec-98	Communications Systems
Pfleging 8-13 (GW)	Pfleging 8-13 (GW)-US-NP	US7774232	10/954411	20060074766	US	10-Aug-10	10-Jun-26	30-Sep-04	Wireless Distribution Of Content Files
Philips 5 Philips 6	Philips 5 ()-US-NP Philips 6 (GL)-US-NP	US6104168 US6363146	09/131244 09/131245		US US	15-Aug-00 26-Mar-02	7-Aug-18 7-Aug-18	7-Aug-98 7-Aug-98	Low Leakage Low Dropout Transistor Charging Circuit Reset Device
	4						-5		
Phillips 2-30 (WC)	Phillips 2-30 (WC)-US-NP	US6088497	09/163944		US	11-Jul-00	30-Sep-18	30-Sep-98	Apparatus And Method For Tapping Optical Transmissions For Analysis Of Optical Protocols
Phipps 1-2 (MV)	Phipps 1-2 (MV)-US-NP	U56219248	09/298373		US	17-Apr-01	23-Apr-19	23-Apr-99	Heat Sink Alignment Apparatus And Method A Primary Stage Optical Switch For An Optical Fiber
Pimpinella 25 (RJ)	Pimpinella 25 (RJ)-US-NP	US6055343	08/935228		US	25-Apr-00	22-Sep-17	22-Sep-97	Administration System
Platzman 8-3 (PM)	Platzman 11-4 (PM)-US-DIV	US6993216	10/769713	20040184715	US	31-Jan-06	29-Dec-20	31-Jan-04	Integrated Optical Switches Using Nonlinear Optical Mediums
Podilchuk 11-1 (CI)	Podilchuk 11-1 (CI)-US-NP	US6956898	09/368380		US	18-Oct-05	4-Aug-19	4-Aug-99	Method And Apparatus For Dense Motion Field Based Coding
Podilchuk 12-2 (CI)	Podilchuk 12-2 /Cn-us Mp	US6778678	09/368381		US	17-Aug 04	A-Aug 10	4-Aug-00	High-Capacity Digital Image Watermarking Based On
Podlichuk 12-2 (U)	Podilchuk 12-2 (CI)-US-NP	1030//80/8	195905/50	I	US	17-Aug-04	4-Aug-19	4-Aug-99	Waveform Modulation Of Image Components

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

Potamianos 2-2-28 (A) Potami			NUMBER	NUMBER	COUNTRY	**************************************	DATE	DATE	TITLE
	nianos 2-2-28 (A)-US-NP	US6760699	09/556250		US	6-Jul-04	24-Apr-20	24-Apr-00	Soft Feature Decoding In A Distributed Automatic Speech Recognition System For Use Over Wireless Channels
Prasanna 12 (GS) Prasani			09/292397	20010019592	US	23-Jul-02	15-Apr-19	15-Apr-99	Bus Controller Handling A Dynamically Changing Mix Of Multiple Nonpre-Emptable Periodic And Aperiodic Devices
	` ′		10/128140	20020186058	US	17-Feb-04	23-Apr-22	23-Apr-02	Buffer Interface Architecture Method Of Assigning Circuit ID's In An IS-IS Compliant
		US6587475	09/148657		US	1-Jul-03	4-Sep-18	4-Sep-98	Network
			09/340565		US	20-Mar-01	28-Jun-19	28-Jun-99	EMI Shielding Gasket For An Electronic System A Nonblocking Synchronous Digital Hierarchy Column
			09/028798		US	22-Aug-00	25-Feb-18	25-Feb-98	Cross-Point Switch Multiple-Local Area Networks Interconnected By A
Raamot 12-6 (J) Raamo	ot 12-6 (J)-US-NP	US6353858	09/203016		US	5-Mar-02	30-Nov-18	30-Nov-98	Switch Ethernet Cross Point Switch With Reduced
Raamot 14-8 (J) Raamo	ot 14-8 (J)-US-NP	US6947439	09/747911	20020080815	US	20-Sep-05	22-Dec-20	22-Dec-00	Connections By Using Dual Control To The Cross Points In The Switch
Rabinovich 20 (EM) Rabino	ovich 20 (EM)-US-NP	US6151916	09/089155		US	28-Nov-00	2-Jun-18	2-Jun-98	Glass Ferrule Optical Fiber Connectors  Method And System For High Bit Rate Fiber-Optic
Raddatz 4 (L) Raddat	atz 4 (L)-US-NP	US7593648	11/095767	20060222375	US	22-Sep-09	26-Dec-27	31-Mar-05	Communications Chromatic Dispersion Compensation Using
Raddatz 5 (L) Raddat		US7650053 ZL200780039853	11/342471	20070177840	US	19-Jan-10	6-Apr-26	30-Jan-06	Wavelength Tunable Transmitter Polarization Mode Dispersion Monitoring And Fault
Raddatz 6-2 (L) Raddat		.4	200780039853.4	101529758	CN	12-Sep-12	29-Oct-27	29-Oct-07	Correlation Polarization Mode Dispersion Monitoring And Fault
Raddatz 6-2 (L) Raddat	atz 6-2 (L)-EP-EPT		07853003.7	EP2082503	EP		29-Oct-27	29-Oct-07	Correlation Polarization Mode Dispersion Monitoring And Fault
Raddatz 6-2 (L) Raddat	atz 6-2 (L)-IN-PCT		1525/CHENP/2009	1525/CHENP/2009	IN		29-Oct-27	29-Oct-07	Correlation Polarization Mode Dispersion Monitoring And Fault
Raddatz 6-2 (L) Raddat	atz 6-2 (L)-JP-PCT .	JP5165687	2009534688	2010508707	JP	28-Dec-12	29-Oct-27	29-Oct-07	Correlation Polarization Mode Dispersion Monitoring And Fault
Raddatz 6-2 (L) Raddat	atz 6-2 (L)-KR-PCT	KR101086213	20097008187		KR	17-Nov-11	29-Oct-27	29-Oct-07	Correlation
Raddatz 6-2 (L) Raddat	atz 6-2 (L)-US-NP	US7995918	11/554626	20080101799	US	9-Aug-11	30-Apr-28	31-Oct-06	Polarization Mode Dispersion Monitoring And Fault Correlation
Raghunath 6 (KJ) Farrokh	kh 2-3-11 (H)-US-CIP	US6704761	08/906537		US	9-Mar-04	1-Jun-20	5-Aug-97	Carry-Save Multiplier/Accumulator System And Method
Rahman 1 (MA) Rahma	an 1 (MA)-US-NP	US6445916	09/226612		US	3-Sep-02	7-Jan-19	7-Jan-99	Wireless System And Method For Evaluating Quality Of Service
Rajan 3-5 (P) Rajan 3	3-5 (P)-IN-PCT		5407/CHENP/2009	5407/CHEND/2000	IN		20-Mar-28	20-Mar-08	Method Of Constructing A Quickconfig Message In A 1xEvolution Data Only (1xEV-DO) Communication Network And Method Of Reducing Call And Handoff Failure Rates In The 1xEV-DO Network Without Introducing Additional Call Setup Latencies
Rajan 5-5 (P) Rajan 5	3-3 (r)-IN-PCI		3407/CHENY/2009	3407/CHENP/2009	IIV		20-IVIAI-20	20-IVId1-06	-
Rajan 3-5 (P) Rajan 3	3-5 (P)-JP-PCT .	JP5143850	2009554573	2010522482	JP	30-Nov-12	20-Mar-28	20-Mar-08	Method Of Constructing A Quickconfig Message In A IxEvolution Data Only (1xEV-DO) Communication Network And Method Of Reducing Call And Handoff Failure Rates In The 1xEV-DO Network Without Introducing Additional Call Setup Latencies
Rajan 3-5 (P) Rajan 3	3-5 (P)-KR-PCT	KR101109507	20097019553		KR	18-Jan-12	20-Mar-28	20-Mar-08	Method Of Constructing A Quickconfig Message In A 1xEvolution Data Only (1xEV-DO) Communication Network And Method Of Reducing Cail And Handoff Failure Rates in The 1xEV-DO Network Without Introducing Additional Call Setup Latencies
Rajan 3-5 (P) Rajan 3	3-5 (P)-US-NP	US8260335	11/723647	20080233936	US	4-Sep-12	14-Jan-30	21-Mar-07	Method Of Constructing A Quickconfig Message In A 1xEvolution Data Only (1xEV-DO) Communication Network And Method Of Reducing Call And Handoff Failure Rates In The 1xEV-DO Network Without Introducing Additional Call Setup Latencies Method And Apparatus For Scheduling Traffic To
Ramanan 1-1 (K) Raman	nan 1-1 (K)-DE-EPA	EP1083709	00307410.1	EP1083709	DE	4-Oct-06	29-Aug-20	29-Aug-00	Meet Quality Of Service Requirements In A Communication Network
	` ,						,		Method And Apparatus For Scheduling Traffic To Meet Quality Of Service Requirements In A
Ramanan 1-1 (K) Raman	nan 1-1 (K)-FR-EPA	EP1083709	00307410.1	EP1083709	FR	4-Oct-06	29-Aug-20	29-Aug-00	Communication Network  Method And Apparatus For Scheduling Traffic To
Ramanan 1-1 (K) Raman	nan 1-1 (K)-GB-EPA	EP1083709	00307410.1	EP1083709	GB	4-Oct-06	29-Aug-20	29-Aug-00	Meet Quality Of Service Requirements In A Communication Network Method And Apparetty For Sebaduling Traffic To
D	22 1 1 W US AID	1167054267	00/202040	20020105224		20.14 05	10.5 10	10.5 00	Method And Apparatus For Scheduling Traffic To Meet Quality Of Service Requirements In A
			09/393949 09/577186	20030185224	US	30-May-06 20-Aug-02	10-Sep-19 23-May-20	10-Sep-99 23-May-00	Communication Network Assembling Optical Components
Ransom 1-3 (AJM) Ranson	om 1-3 (AJM)-US-NP	US6148324	09/002982		US	14-Nov-00	5-Jan-18	5-Jan-98	Prioritized Load Balancing Among Non- Communicating Processes In A Time Sharing System
Rasala 1-18 (AP) Rasala	a 1-18 (AP)-US-NP	US6535310	09/471641		US	18-Mar-03	23-Dec-19	23-Dec-99	Strictly Non-Blocking Wavelength Division Multiplexed (WDM) Cross-Connect Device
									Strictly Non-Blocking Wavelength Division Multiplexed (WDM) Cross-Connect Device For Use In
Rasala 2-19 (AP) Rasala	a 2-19 (AP)-CN-NP	ZL00136412.X	00136412.X	CN1301093A	CN	27-Apr-07	22-Dec-20	22-Dec-00	A Heterogeneous Strictly Non-Blocking Wavelength Division
Rasala 2-19 (AP) Rasala	a 2-19 (AP)-US-NP	US6487332	09/471925		US	26-Nov-02	23-Dec-19	23-Dec-99	Multiplexed (WDM) Cross-Connect Device For Use In A Heterogeneous
Rashid-Farrokhi 1-11 (F) Rashid-	d-Farrokhi 1-11 (F)-US-NP	US6400780	09/187878		US	4-Jun-02	6-Nov-18	6-Nov-98	Space-Time Diversity For Wireless Systems CMOS-Compatible Polarization-Diverse Tunable
Rasras 17 (M) Rasras	s 17 (M)-US-NP	US7680362	12/014440	20090180729	US	16-Mar-10	23-Mar-28	15-Jan-08	Optical Bandpass Filter
Rasras 20 (M) Rasras	s 20 (M)-US-NP	US7822298	12/103540	20090257706	US	26-Oct-10	30-Jan-29	15-Apr-08	Polarization Component Processor, Method Of Processing Polarization Components And Integrated Photonic Circuit Employing The Same
			08/977878		US	31-Aug-99	25-Nov-17	25-Nov-97	Technique For Effectively Instantiating Attributes In Association Rules
			09/189257		US	12-Jun-01	10-Nov-18	10-Nov-98	Decision Tree Classifier With Integrated Building And Pruning Phases

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

			IAPROICATIONS			de company		EAPPLICATIONS	
FAMILY	CASE REFERENCE	GRANT NUMBER	NUMBER	NUMBER	COUNTRY	DATE	DATE	DATE	NTLE
Rathunde 2 (DF)	Rathunde 2 (DF)-DE-EPA	EP1091602	00308678.2	EP1091602	DE	14-Mar-12	3-Oct-20	3-Oct-00	Dynamic Load Balancing During Message Processing In A Wireless Communication Service Network
Rathunde 2 (DF)	Rathunde 2 (DF)-FR-EPA	EP1091602	00308678.2	EP1091602	FR	14-Mar-12	3-Oct-20	3-Oct-00	Dynamic Load Balancing During Message Processing In A Wireless Communication Service Network
Rathunde 2 (DF)	Rathunde 2 (DF)-GB-EPA	EP1091602	00308678.2	EP1091602	GB	14-Mar-12	3-Oct-20	3-Oct-00	Dynamic Load Balancing During Message Processing In A Wireless Communication Service Network
Rathunde 2 (DF)	Rathunde 2 (DF)-US-NP	US6574477	09/413259		US	3-Jun-03	6-Oct-19	6-Oct-99	Dynamic Load Balancing During Message Processing In A Wireless Communication Service Network Loop Antenna Configuration For Printed Wire Board
Rawles 1-8 (MS)	Rawles 1-8 (MS)-US-NP	US6067052	09/156929		US	23-May-00	18-Sep-18	18-Sep-98	Applications
Raz 3-5 (D)	Raz 3-5 (D)-US-NP	US6529515	09/409153		US	4-Mar-03	30-Sep-19	30-Sep-99	Method And Apparatus For Efficient Network Management Using An Active Network Mechanism Process For Migrating A Mobile Station Identity From
Redell 4-31 (KL)	Redell 4-31 (KL)-US-NP	US7471949	11/245463	20070082666	US	30-Dec-08	16-Jun-26	6-Oct-05	A Mobile Identification Number To An International Mobile Station Identity
Reed 14 (WC)	Reed 15 (WC)-US-DIV	US6058603	09/172480		US	9-May-00	14-Oct-17	14-Oct-98	Communication Cable Incorporating Fiberglass Strength Members
Reed 25-2 (WA) Reed 25-2 (WA)	Reed 25-2 (WA)-FR-EPA Reed 25-2 (WA)-US-NP	EP1260841 US6542665	01310121.7 09/896777	EP1260841 20020146202	FR US	11-Jul-07 1-Apr-03	4-Dec-21 29-Jun-21	4-Dec-01 29-Jun-01	Grin Fiber Lenses Grin Fiber Lenses
Reents 6 (WD)	Reents 6 (WD)-US-NP	US5977540	09/061462	20020140202	US	2-Nov-99	16-Apr-18	16-Apr-98	Laser-Assisted Particle Analysis
Rege 6 (KM)	Rege 6 (KM)-US-NP	US6018546	08/931532		US	25-Jan-00	16-Sep-17	16-Sep-97	Technique For Soft Decision Metric Generation In A Wireless Communications System
Reichmanis 32-10 (E)	Reichmanis 32-10 (E)-US-NP	US7008757	10/321027	20040115566	US	7-Mar-06	10-Sep-23	17-Dec-02	Patterned Structures Of High Refractive Index Materials
Reveles 1-1-1 (FM)	Reveles 1-1-1 (FM)-US-NP	US6075785	08/991795		US	13-Jun-00	16-Dec-17	16-Dec-97	Apparatus And Method For Providing Memory Address Interchanging For High Speed Memory Accesses
Reveles 1-1-1 (FIVI)	Reveies 1-1-1 (FIVI)-U3-NP	036073783	08/331733		03	13-301-00	10-Det-17	10-Dec-97	Methods And Apparatus For Providing A Direct
Riazi 1-16 (H)	Ríazi 1-16 (H)-US-NP	US6748005	09/448070		US	8-Jun-04	23-Nov-19	23-Nov-99	Frequency Hopping Wireless Interface With A Personal Computer Method And Apparatus For Performing Differential Modulation Over Frequency In An Orthogonal
Riazi 3-11-3 (H)	Riazi 3-11-3 (H)-CA-NP	CA2317974	2317974		CA	2-Feb-16	8-Sep-20	8-Sep-00	Frequency Division Multiplexing (OFDM) Communication System
Riazi 3-11-3 (H)	Riazi 3-11-3 (H)-DE-EPA	EP1087583	00307616.3	EP1087583	DE	3-Jun-15	4-Sep-20	4-Sep-00	Differential Coding In The Frequency Domain, For Multicarrier Transmission
Riazi 3-11-3 (H)	Riazi 3-11-3 (H)-FR-EPA	EP1087583	00307616.3	EP1087583	FR	3-Jun-15	4-Sep-20	4-Sep-00	Differential Coding In The Frequency Domain, For Multicarrier Transmission
Riazi 3-11-3 (H)	Riazi 3-11-3 (H)-GB-EPA	EP1087583	00307616.3	EP1087583	GB	3-Jun-15	4-Sep-20	4-Sep-00	Differential Coding In The Frequency Domain, For Multicarrier Transmission
Riazi 3-11-3 (H)	Riazi 3-11-3 (H)-JP-NP	JP3607589	2000279012	2001119370	JP	15-Oct-04	14-Sep-20	14-Sep-00	Method And Apparatus For Performing Differential Modulation Over Frequency In An Orthogonal Frequency Division Multiplexing (OFDM) Communication System
				2001119370				·	Method And Apparatus For Performing Differential Modulation Over Frequency In An Orthogonal Frequency Division Multiplexing (OFDM)
Riazi 3-11-3 (H)	Riazi 3-11-3 (H)-US-NP	US7573807	09/398502		US	11-Aug-09	17-Sep-19	17-Sep-99	Communication System
Richton 4-30 (RE)	Richton 4-30 (RE)-KR-NP	KR722703	19990044893	20000029129	KR	22-May-07	16-Oct-19	16-Oct-99	Wireless Assisted GPS Using A Reference Location
Richton 4-30 (RE) Ritter 4 (K)	Richton 4-30 (RE)-US-NP	US6538600 EP1087461	09/321075	ED1007461	US	25-Mar-03	27-May-19	27-May-99	Wireless Assisted GPS Using A Reference Location
Ritter 4 (K)	Ritter 4 (K)-DE-EPA Ritter 4 (K)-FR-EPA	EP1087461	99307473.1 99307473.1	EP1087461 EP1087461	DE FR	27-Feb-13 27-Feb-13	21-Sep-19 21-Sep-19	21-Sep-99 21-Sep-99	Mobile Radio Equipment With Yoke Antenna Mobile Radio Equipment With Yoke Antenna
Ritter 4 (K)	Ritter 4 (K)-GB-EPA	EP1087461	99307473.1	EP1087461	GB	27-Feb-13	21-Sep-19	21-Sep-99	Mobile Radio Equipment With Yoke Antenna
Ritter 4 (K)	Ritter 4 (K)-US-NP	US6839569	10/168358		US	4-Jan-05	2-Jun-20	2-Jun-00	Mobile Radio Equipment With Yoke Antenna
Riverstone 1 ()	Riverstone 1 ()-US-NP	US6044061	09/037218		US	28-Mar-00	10-Mar-18	10-Mar-98	Method and Apparatus For Fair and Efficient Scheduling Of Variable-Size Data Packets In Input- Buffered Multiport Switch
Riverstone 15 ()	Riverstone 15 ()-US-NP	US6292492	09/081969		us	18-Sep-01	20-May-18	20-May-98	Efficient Method and Apparatus For Allocating Memory Space Used For Buffering Cells Received on Several Connections in an Asynchronous Transfer Mode(ATM) Switch
Riverstone 2 ()	Riverstone 2 ()-US-NP	US6160812	0 <del>9</del> /072147		US	12-Dec-00	4-May-18	4-May-98	Method and Apparatus For Supplying Requests To A Scheduler In An Input Buffered Multiport Switch
Riverstone 20 ()	Riverstone 20 ()-US-PCT	US7594005	10/362493	20040010323	US	22-Sep-09	8-Mar-28	16-Aug-01	(MASQ) Means For Interfacing Devices Under SNMP
Riverstone 22 ()	Riverstone 22 ()-US-NP	US7406518	09/861138	20020174251	US	29-Jul-08	22-May-25	18-May-01	Method And System For Connecting Virtual Circuits Across An Ethernet Switch
Riverstone 3 ()	Riverstone 3 ()-US-NP	US5999531	09/062377		US	7-Dec-99	17-Apr-18	17-Apr-98	Method and System For Identifying Ports and Forwarding Packets In a Multiport Switch
Riverstone 35 ()	Riverstone 35 ()-US-NP	US7430735	10/140395		US	30-Sep-08	16-Jul-24	7-May-02	Method, System, and Computer Program Product Fo Providing A Software Upgrade IUn A Network Node
Riverstone 38 ()	Riverstone 38 ()-US-NP	US7652988	10/446419		US	26-Jan-10	12-Jun-26	28-May-03	Hardware-Based Rate Control For Bursty Traffic
Riverstone 5 ()	Riverstone 5 ()-US-NP	US6052368	09/084081		us	18-Apr-00	22-May-18	22-May-98	Method and Apparatus For Forwarding Variable- Length Packets Between Channel-Specific Packet Processors and a Crossbar Of a Multiport Switch
Riverstone 52 ()	Riverstone 52 ()-US-NP	US8090869	10/359878	20030225737	US	3-Jan-12	12-Oct-28	7-Feb-03	Priority-Biased Exit Queue Arbitration With Fairness
Riverstone 57 ()	Riverstone 57 ()-US-NP	US7466698	10/454283		US	16-Dec-08	8-Feb-26	4-Jun-03	Network Node With Layer 3 Interfaces Configurable By Interface Class
Riverstone 58 ()	Riverstone 58 ()-US-NP	US7519056	10/455510		US	14-Apr-09	17-Feb-26	4-Jun-03	Managing Traffic In A Multiport Network Node Using Logical Ports
									Method and Apparatus For Forwarding Packets From
Riverstone 6 ()	Riverstone 6 ()-US-NP	US6067301	09/087064		US	23-May-00	29-May-18	29-May-98	a Plurality of Contending Queues To An Output
Riverstone 60 ()	Riverstone 60 ()-US-NP	US7394822	10/454298	20030223458	US	1-Jul-08	24-Oct-25	4-Jun-03	Using Reassembly Queue Sets For Packet Reassembly

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	11115
									Forwarding Traffic In A Network Using A Single Forwarding Table That Includes Forwarding Information Related To A Plurality Of Logical
Riverstone 64 ()	Riverstone 64 ()-US-NP	US7325071	10/340113		US	29-Jan-08	24-Jul-25	10-Jan-03	Networks Testing and Error Recovery Across Multiple Switching
Riverstone 68 ()	Riverstone 68 ()-US-NP	US7876693	10/453976		US	25-Jan-11	12-Mar-27	4-Jun-03	Fabrics
									Method and Apparatus For Fair and Efficient Scheduling of Variable-Size Data Packets In An Input-
Riverstone 7 ()	Riverstone 7 ()-US-NP	US6185221	09/188431		US	6-Feb-01	9-Nov-18	9-Nov-98	Buffered Multiport Switch Efficient Mechanism For Wire-Tapping Network
Riverstone 71 ()	Riverstone 71 ()-US-NP	US7688823	10/455512		US	30-Mar-10	23-Jul-27	4-Jun-03	Traffic Efficient Rendezvous Point Tree To Shortest Path
Riverstone 74 ()	Riverstone 74 ()-US-NP	US7453807	10/453974		US	18-Nov-08	3-Mar-26	4-Jun-03	Tree Switch-Over Process
	Riverstone 8 ()-US-NP	US6678274	09/364502		US	13-Jan-04	30-Jul-19	30-Jul-99	Method and System For Managing Forwarding Tables
Riverstone 81 ()	Riverstone 81 ()-US-NP	US7930423	10/361984	20030233472	US	19-Apr-11	10-Feb-26	11-Feb-03	Dynamic Load Balancing Within a Network  Managing Routes in a Router Utilizing Threshold-
Riverstone 82 ()	Riverstone 82 ()-US-NP	US7733880	10/222125		US	8-Jun-10	27-Sep-27	16-Aug-02	Specific Discard Algorithms Processing Packet Information Using An Array Of
Riverstone 84 ()	Riverstone 84 ()-US-NP	US8477780	10/809164	20040190512	US	2-Jul-13	3-Jun-29	25-Mar-04	Processing Elements Optical Fiber Management in a Chassis-Based
	Riverstone 85 ()-US-NP	US7636506	10/843898		US	22-Dec-09	29-Aug-27	12-May-04	Network System
Riverstone 87 ()	Riverstone 87 ()-US-NP	US7489701	10/620668		US	10-Feb-09	10-Feb-26	16-Jul-03	Customer-Specific Traffic Shaping
Robinson 2 (KC)	Robinson 2 (KC)-US-NP	US5933269	08/920279		US	3-Aug-99	22-Aug-17	22-Aug-97	Common-Lens Reflective Magneto-Optical Switch
	Rodriguez 2-8-3-19-13 (JS)-US- NP	US8811173	13/021374	20120201148	US	19-Aug-14	7-Aug-31	4-Feb-11	Method Of Managing User Traffic To Prevent Aggressive Users From Abusing Network Resources
Roessier 17-14 (RJ)	Roessier 17-14 (RJ)-US-NP	US6212071	09/378687		US	3-Apr-01	20-Aug-19	20-Aug-99	Electrical Circuit Board Heat Dissipation System
	Rogers 20-7 (JA)-US-NP	US6337761	09/409631		US	8-Jan-02	1-Oct-19	1-Oct-99	Electrophoretic Display And Method Of Making The Same
	Rogers 33 (JA)-US-NP	US6655286	09/967343	20030041762	US	2-Dec-03	29-Sep-21	29-Sep-01	Method For Preventing Distortions In A Flexibly Transferred Feature Pattern
				20050011702				10-Apr-03	Heat Tunable Optical Devices With Linearity
Rogers 40-2 (JA)	Rogers 40-2 (JA)-US-NP	US6856731	10/410931		US	15-Feb-05	10-Apr-23	10-Apr-U3	Compensation DATENÜBERTRAGUNSVERFAHREN MIT STÄNDIGER
Rollender 3	Rollender 3 (DH)-DE-EPA	EP1033890	00301379.4	EP1033890	DE	19 Jun 2013	22 Feb 2020	22 Feb 2000	KENNZEICHNUNG UND WEGLENKUNGSINFORMATION
									PROCÉDÉ DE TRANSFERT DE DONNÉES UTILISANT
Rollender 3	Rollender 3 (DH)-FR-EPA	EP1033890	00301379.4	EP1033890	FR	19 Jun 2013	22 Feb 2020	22 Feb 2000	IDENTIFIANTS PERMANENTS COMPRENANT DES INFORMATIONS DE ROUTAGE
									Method For Transferring Data Using Permanent
Rollender 3	Rollender 3 (DH)-GB-EPA	EP1033890	00301379.4	EP1033890	GB	19 Jun 2013	22 Feb 2020	22 Feb 2000	Identifier Including Routing Information
Rollender 3	Rollender 3 (DH)-JP-NP	JP3954266	2000056111		JP	11 May 2007	01 Mar 2020	01 Mar 2000	Method For Transferring Data Using Permanent Identifier Including Routing Information
		V00500045	200004020			22.5   22.5			Method For Transferring Data Using Permanent
Rollender 3	Rollender 3 (DH)-KR-NP	KR0688916	20000010395		KR	23 Feb 2007	03 Mar 2020	03 Mar 2000	Identifier Including Routing Information
Rollender 3	Rollender 3 (DH)-TW-NP	TWNI-140100	89103478	453065	TW	01 Sep 2001	29 Feb 2020	29 Feb 2000	Method For Transferring Data Using Permanent Identifier Including Routing Information
Rollender 3	Rollender 3 (DH)-US-NP	US6748227	09/261737		US	08 Jun 2004	03 Mar 2019	03 Mar 1999	Method For Transferring Data Using Permanent Identifier Including Routing Information
	Rollender 4 (DH)-US-NP	US6810261	09/261735		US	26-Oct-04	3-Mar-19	3-Mar-99	Method For Transferring Data Using Expanded Permanent Identifier
		US7970406	10/602588	20040005805					
` ′	Rollender 20 (DH)-US-CNT			20040005895	US	28-Jun-11	20-Dec-23	25-Jun-03	Method For Transferring Data
Rollender 6 (DH)	Rollender 6 (DH)-US-NP	US6603974	09/260734		US	5-Aug-03	3-Mar-19	3-Mar-99	Method For Transferring Data Method For Transferring Data Upon Request Using
Rollender 7 (DH)	Rollender 7 (DH)-MX-NP	MX221603	6785		MX	22-Jul-04	10-Jul-20	10-Jul-00	Permanent Identifier Method For Transferring Data Upon Request Using
Rollender 7 (DH)	Rollender 7 (DH)-US-NP	US6615045	09/353596		US	2-Sep-03	15-Jul-19	15-Jul-99	Permanent Identifier
Rollender 8 (DH)	Rollender 8 (DH)-US-NP	US6493553	09/344583		US	10-Dec-02	25-Jun-19	25-Jun-99	Mobile-Station Adapted For Removable User Identity Modules
Rollender 8 (DH)	Rollender 8 (DH)-DE-EPA	EP1063859	00304996.2	EP1063859	DE	19-Sep-12	13-Jun-20	13-Jun-00	Mobile-Station Adapted For Removable User Identity Modules
Rollender 8 (DH)	Rollender 8 (DH)-FR-EPA	EP1063859	00304996.2	EP1063859	FR	19-Sep-12	13-Jun-20	13-Jun-00	Mobile-Station Adapted For Removable User Identity Modules
	Rollender 8 (DH)-GB-EPA	EP1063859	00304996.2	EP1063859	GB	19-Sep-12	13-Jun-20	13-Jun-00	Mobile-Station Adapted For Removable User Identity Modules
	Romy 4 (NJ)-US-NP	US7145909	10/155270	20030219021	US	5-Dec-06	20-Mar-25	24-May-02	Packet Switching Access Platform
Rosales 1 (R)	Rosales 1 (R)-US-NP	US6229714	09/318285		US	8-May-01	25-May-19	25-May-99	Apparatus And Method For Electromagnetic Shielding Of Equipment Cabinets
Rosenberg 11 (JD)	Rosenberg 11 (JD)-US-NP	US6304567	08/959794		US	16-Oct-01	29-Oct-17	29-Oct-97	Methods And Apparatus For Providing Voice Communications Through A Packet Network
	Rosenberg 16 (JD)-US-CNT	US7170887	09/977643	20020018465	US	30-Jan-07	10-Apr-20	16-Oct-01	Methods And Apparatus For Providing Voice Communications Through A Packet Network
	Rosenthal 16 (EI)-US-NP	US6208718	09/124125		US	27-Mar-01	29-Jul-18	29-Jul-98	Emergency Interrupt Technique
	Ross 4 (PC)-US-NP	US6195447	09/008623		US	27-Mai-01 27-Feb-01	16-Jan-18	16-Jan-98	System And Method For Fingerprint Data Verification
1035 4 (FC)	ACCOUNT OF CONTRACT	230133441	03/000023		0.3	Z/-1CD-U1	10-1011-10	10-3411-30	Garbage Collection In Object Oriented Databases
Roy 1-5-43-13 (P)	Roy 1-5-43-13 (P)-US-NP	US6363403	09/345826		US	26-Mar-02	30-Jun-19	30-Jun-99	Using Transactional Cyclic Reference Counting
Rudolph 8 (MJ)	Rudolph 8 (MJ)-US-NP	US7773735	11/199687	20070041533	US	10-Aug-10	6-Jan-29	9-Aug-05	Route Information Message For Delivery Of Prepaid Flexible Alerting Call
Ι Τ									An Apparatus And Method For Equalizing A Signal
Rupp 5 (M)	Rupp 5 (M)-US-NP	US6389084	09/131388		US	14-May-02	7-Aug-18	7-Aug-98	Independent Of The Impact Of Doppler Frequency
	Russo 4 (AP)-US-NP Ryf 18 (R)-US-NP	US6173074 US7750286	08/940321 11/765155	20090009719	US US	9-Jan-01 6-Jul-10	30-Sep-17 11-Dec-28	30-Sep-97 19-Jun-07	Acoustic Signature Recognition And Identification
vài 10 (k)	nyi 10 (nj-u3-Nr	U3//JU280	11/103133	20050009/19	US	0-Jul-10	11-Dec-28	13-Jun-0/	Compact Image Projector
Sampath 3-24-7 (A)	Sampath 3-24-7 (A)-US-NP	US7130657	09/693938		US	31-Oct-06	1-Nov-23	23-Oct-00	Methods And Systems For Improving Frame Selection In Wireless Communications Networks

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION	APPLICATION	TITLE
									Method And Apparatus For Post-Detection Maximum Ratio Combining With Antenna Diversity In An Orthogonal Frequency Division Multiplexing (OFDM)
Sarraf 21-13 (M)	Sarraf 21-13 (M)-US-NP	US6842421	09/398500		US	11-Jan-05	17-Sep-19	17-Sep-99	Communication System
Sarraf 22-14 (M)	Sarraf 22-14 (M)-US-NP	US6445693	09/396011		US	3-Sep-02	15-Sep-19	15-Sep-99	Method And Apparatus For Estimating Power Of First Adjacent Analog FM Interference In An In-Band On- channel (IBOC) Communication System
									Fabricating Electronic-Photonic Devices Having An
Sauer 2-13-11 (NJ)	Sauer 2-13-11 (NJ)-US-DIV	US8258497	12/906809	20110032964	US	4-Sep-12	19-Jul-29	18-Oct-10	Active Layer With Spherical Quantum Dots
Sauer 2-13-11 (NJ)	Sauer 2-13-11 (NJ)-US-NP	US7842595	12/397739	20100226400	US	30-Nov-10	4-Mar-29	4-Mar-09	Fabricating Electronic-Photonic Devices Having An Active Layer With Spherical Quantum Dots
Savari 1 (SA)	Savari 1 (SA)-US-NP	US6456209	09/277638		US	24-Sep-02	26-Mar-19	26-Mar-99	Method And Apparatus For Deriving A Plurality Parsable Data Compression Dictionary
Savari 3 (SA)	Savari 3 (SA)-US-NP	US7081839	10/660117	20050057378	US	25-Jul-06	11-Sep-23	11-Sep-03	Method And Apparatus For Compressing An Input String To Provide An Equivalent Decompressed Output String
Sawyer 6-1-2-5-14 (AI)	Sawyer 6-1-2-5-14 (AJ)-US-NP	US6356757	09/154696		US	12-Mar-02	17-Sep-18	17-Sep-98	Method And Apparatus For Tracking Trunk Groups Between Wireless And Wireline Applications
									Mutual Information Based Modulation Spectrogram
Scanlon 1 (P)	Scanlon 1 (P)-DE-EPA	EP2208981	09150567.7	EP2208981	DE	23-Mar-16	14-Jan-29	14-Jan-09	Feature Subset Selection For Machine Monitoring
Scanlon 1 (P)	Scanlon 1 (P)-FR-EPA	EP2208981	09150567.7	EP2208981	FR	23-Mar-16	14-Jan-29	14-Jan-09	Mutual Information Based Modulation Spectrogram Feature Subset Selection For Machine Monitoring
Scanlon 1 (P)	Scanlon 1 (P)-GB-EPA	EP2208981	09150567.7	EP2208981	GB	23-Mar-16	14-Jan-29	14-Jan-09	Mutual Information Based Modulation Spectrogram Feature Subset Selection For Machine Monitoring
	Schnitzer 6 (MJ)-US-NP	US6643071	10/029576	20030117715	US	4-Nov-03	21-Dec-21	21-Dec-01	Graded-Index Lens Microscopes Graph Path Derivation Using Fourth Generation
Schultz 4 (TA)	Schultz 4 (TA)-US-NP	US6029162	09/024411		US	22-Feb-00	17-Feb-18	17-Feb-98	Structured Query Language  Method For Aggregation Of A Graph Using Fourth
Schultz 5 (TA)	Schultz 5 (TA)-US-NP	US6006233	09/024841		US	21-Dec-99	17-Feb-18	17-Feb-98	Generation Structured Query Language (SQL) Object Morphing In An Object Oriented Computing
Schultz 6 (TA)	Schultz 6 (TA)-US-NP	US6192371	09/301147		US	20-Feb-01	28-Apr-19	28-Apr-99	Environment Using Relational Database Query Procedure
Scofield 1 (WH)	Scofield 1 (WH)-US-NP	US5974902	08/928283		US	2-Nov-99	12-Sep-17	12-Sep-97	Portable Thermal Chamber And Testing System Device And Method For Dissipating Thermal Energy
Scofield 2 (WH) Scofield 3 (WH)	Scofield 2 (WH)-US-NP Scofield 3 (WH)-US-NP	US6154368 US6443010	09/152886 09/464920		US US	28-Nov-00 3-Sep-02	14-Sep-18 16-Dec-19	14-Sep-98 16-Dec-99	Of Electronic Circuit Components  Audible Air Flow Detector For Air Filters
Scofield 4 (WH)	Scofield 4 (WH)-US-NP	US6359782	09/567517		US	19-Mar-02	9-May-20	9-May-00	Enhanced Thermal Dissipation Device For Circuit Boards And Method To Use The Same
Segen 11 (J)	Segen 11 (J)-US-NP	US6252598	08/887765		US	26-Jun-01	3-Jul-17	3-Jul-97	Video Hand Image Computer Interface
Seligmann 4 (DD) Selzer 5 (GM)	Seligmann 4 (DD)-US-NP Selzer 5 (GM)-US-NP	US6330022 US6606616	09/186181 09/203631		US US	11-Dec-01 12-Aug-03	5-Nov-18 1-Dec-18	5-Nov-98 1-Dec-98	Digital Processing Apparatus And Method To Support Video Conferencing In Variable Contexts Modified Action Rules
Seshadri 12-57 (S)	Seshadri 12-57 (S)-US-NP	US6615201	09/558425		US	2-Sep-03	25-Apr-20	25-Apr-00	Computer Network Management
Shah 10 (NJ)	Shah 10 (NJ)-US-NP	US6154740	09/082026		US	28-Nov-00	20-May-18	20-May-98	System And Method For Displaying A Sorted List by Determining Sort Points in a Key Field
Shah 9 (NJ)	Shah 9 (NJ)-US-NP	US6535729	09/082214		US	18-Mar-03	20-May-18	20-May-98	System And Method For Processing Wireless Files Based On Filename Extension Method For Peterting Company Metion Indused Scool
Shahraray 4 (B)	Shahraray 4 (B)-US-NP	US6211912	08/191234		US	3-Apr-01	3-Apr-18	4-Feb-94	Method For Detecting Camera-Motion Induced Scene Changes Method And Apparatus For Updating Inter-Server
Shao 1-3 (H)	Shao 1-3 (H)-US-NP	US7228539	10/462477	20040255287	US	5-Jun-07	22-May-25	16-Jun-03	Communication Software
Sharma 16 (R)	Sharma 16 (R)-US-NP	US8135836	11/290227	20070124431	US	13-Mar-12	7-Aug-29	30-Nov-05	The Resolution In Application Load Level Balancing
Sharma 25-11 (R)	Sharma 25-11 (R)-IN-PCT		6420/CHENP/2008	6420/CHENP/2008	IN		23-May-27	23-May-07	Polled Geofencing And Distinguished Ring-Back
Sharma 25-11 (R)	Sharma 25-11 (R)-US-NP	US7873158	11/444105	20070280448	US	18-Jan-11	30-Mar-29	31-May-06	Polled Geofencing And Distinguished Ring-Back Method And Apparatus For Network Mapping Using
Shavitt 6-1-11-8 (Y)	Shavitt 6-1-11-8 (Y)-US-NP	US7065584	09/561857		US	20-Jun-06	28-Apr-20	28-Apr-00	End-to-End Delay Measurements  Determining Latency Associated With Push-To-Talk
Sherif 4-12 (MR)	Sherif 4-12 (MR)-US-NP	US7650160	11/474611	20070298823	US	19-Jan-10	25-May-28	26-Jun-06	Communications Wavelength Stabilization Of Wavelength Division
Shieh 1 (W)	Shieh 1 (W)-US-NP	US6240109	09/257708		US	29-May-01	25-Feb-19	25-Feb-99	Multiplexed Channels  Methods And Apparatus For Speaker Specific
Shih 2-6 (C)	Shih 2-6 (C)-US-NP	US6813604	09/711563		US	2-Nov-04	13-Nov-20	13-Nov-00	Durational Adaptation Electronic Device Having Thermally Managed Electron Path And Method Of Thermal Management
Simon 8 (SH)	Simon 8 (SH)-US-NP	US8421072	12/269851	20100118915	US	16-Apr-13	13-Feb-32	12-Nov-08	Of Very Cold Electrons Automatic Generation And Maintenance Of
	Singh 2-2-1 (K)-US-NP	US6415396 US6484276	09/277667 09/426331		US	2-Jul-02 19-Nov-02	26-Mar-19 25-Oct-19	26-Mar-99 25-Oct-99	Regression Test Cases From Requirements  Method And Apparatus For Providing Extensible  Object Originated Fault Injection
Singh 4-3 (N) Sinha 5-25 (D)	Singh 4-3 (N)-US-NP Sinha 5-25 (D)-US-NP	US6405338	09/022114		US	19-Nov-02 11-Jun-02	25-Oct-19 11-Feb-18	25-Oct-99 11-Feb-98	Object-Oriented Fault Injection Unequal Error Protection For Perceptual Audio Coders
	Sinsky 3-1 (JH)-US-NP	US6898214	09/803301		US	24-May-05	9-Mar-21	9-Mar-01	Technique For Monitoring SONET Signal Correcting Misalignment Between Data And A Carrier
Sinsky 4 (JH)	Sinsky 4 (JH)-US-NP	US7068950	10/100521	20040208635	US	27-Jun-06	9-Jan-24	18-Mar-02	Signal In Transmitters
Smith 1 (HR)	Smith 1 (HR)-JP-NP	JP3889900	11174711		JP	8-Dec-06	21-Jun-19	21-Jun-99	Auxiliary Monitoring Of Emergency Access Calls
Smith 1 (HR)	Smith 1 (HR)-KR-NP	KR311841	9922842		KR	28-Sep-01	18-Jun-19	18-Jun-99	Auxiliary Monitoring Of Emergency Access Calls
Smith 1 (HR)	Smith 1 (HR)-US-NP	US6052574	09/102177		US	18-Apr-00	22-Jun-18	22-Jun-98	Auxiliary Monitoring Of Emergency Access Calls
Smith 1 (HR)	Smith 1 (HR)-DE-EPA	EP0967820	99304666.3	EP0967820	DE	24-Apr-02	15-Jun-19	15-Jun-99	Auxiliary Monitoring Of Emergency Access Calls
Smith 1 (HR)	Smith 1 (HR)-FR-EPA	EP0967820	99304666.3	EP0967820	FR	24-Apr-02	15-Jun-19	15-Jun-99	Auxiliary Monitoring Of Emergency Access Calls

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

	CASE	GRANT	IAPROICATEON	RUBLECATEON		ussue	EXPERATION	APPLICATION	
FAMILY	REFERENCE	NUMBER	NUMBER	NUMBER	COUNTRY		DATE	DATE	TITLE
Smith 1 (HR)	Smith 1 (HR)-GB-EPA	EP0967820	99304666.3	EP0967820	GB	24-Apr-02	15-Jun-19	15-Jun- <del>9</del> 9	Auxiliary Monitoring Of Emergency Access Calls
Smith 1 (LA)	Smith 1 (LA)-US-NP	US6430671	09/021319		US	6-Aug-02	10-Feb-18	10-Feb-98	Address Generation Utilyzing An Adder, A Non- Sequential Counter, And A Latch
Smith 2 (LA)	Smith 2 (LA)-US-NP	US6175849	09/021582		US	16-Jan-01	10-Feb-18	10-Feb-98	System for Digital Filtering in a Fixed Number of Clock Cycles
Solondz 13 (MA)	Solondz 13 (MA)-US-NP	US6667714	09/564094		US	23-Dec-03	3-May-20	3-May-00	Downtilt Control For Multiple Antenna Arrays  Transmit Diversity and Reception Equalization for
Solondz 5 (MA)	Solondz 17 (MA)-US-DIV	US6771689	09/839127		US	3-Aug-04	7-Nov-19	23-Apr-01	Radio Links
Solondz 5 (MA)	Solondz 5 (MA)-US-NP	US6259730	09/188563		US	10-Jul-01	10-Nov-18	10-Nov-98	Transmit Diversity and Reception Equalization for Radio Links
Sonnier 4 (DP)	Sonnier 4 (DP)-US-NP	US7424027	10/044765	20020101876	US	9-Sep-08	6-Jan-25	9-Jan-02	Head Of Line Blockage Avoidance System And Method Of Operation Thereof
Spector 3 (M)	Spector 3 (M)-US-NP	US6052499	09/037091		US	18-Apr-00	9-Mar-18	9-Mar-98	Optical Demultiplexer Filter System To Eliminate Cross-Talk Side-Lobes
Speight 5 (TJ)	Speight 5 (TJ)-KR-NP	KR350009	19990011703		KR	12-Aug-02	3-Apr-19	3-Apr-99	Direction Determination In Cellular Mobile Communications Network
Speight 5 (TJ)	Speight 5 (TJ)-US-NP	US6246366	09/282821		US	12-Jun-01	31-Mar-19	31-Mar-99	Direction Determination In Cellular Mobile Communications Network
	Srivastava 11-18-10-10 (AK)-US- NP	US6049418	09/089863		US	11-Apr-00	3-Jun-18	3-Jun-98	Improving Noise Figure In Optical Amplifiers With A Split-Band Architecture
									Stable Wavelength Division Multiplexing Ring
Srivastava 3-15-3-18 (AK)	Srivastava 3-15-3-18 (AK)-US-NP	US6025941	08/929926		US	15-Feb-00	15-Sep-17	15-Sep-97	Network Two-Wavelength WDM Analog CATV Transmission
Srivastava 6-23-21 (AK)	Srivastava 6-23-21 (AK)-US-NP	US6151145	09/010617		US	21-Nov-00	22-Jan-18	22-Jan-98	With Low Crosstalk Use Of Doppler Direction Finding To Improve Signal
Stevenson 8 (CR)	Stevenson 8 (CR)-US-NP	US7409226	09/473650		US	5-Aug-08	29-Dec-19	29-Dec-99	Link Performance In A Wireless Communication Environment
				20020242724					
Stewart 10 (GM)	Stewart 10 (GM)-US-NP	US7668899	10/140150	20030212734	US	23-Feb-10	31-Jul-25	7-May-02	Decoupled Routing Network Method And System
Stewart 1-1-1 (WI)	Stewart 1-1-1 (WI)-US-NP	US6030145	08/987820		US	29-Feb-00	10-Dec-17	10-Dec-97	Articulated Underwater Cable Riser System
Stiliadis 11 (D)	Stiliadis 11 (D)-US-NP	US7649882	10/402589	20040008716	US	19-Jan-10	5-Oct-26	28-Mar-03	Multicast Scheduling and Replication in Switches Method Of Dynamic Resource Allocations In Wireless
Stolyar 13-50 (A)	Stolyar 13-50 (A)-US-NP	US8295231	11/770315	20090003266	US	23-Oct-12	3-Dec-30	28-Jun-07	Systems
Stolyar 9 (A)	Stolyar 9 (A)-US-NP	US8516085	11/073513	20060203768	US	20-Aug-13	4-Nov-32	7-Mar-05	System And Methods For Allocating Resources By A Network Device
Strom 10-2-7 (TD)	Strom 10-2-7 (TD)-US-NP	US6111943	09/162813		US	29-Aug-00	29-Sep-18	29-Sep-98	Rapid Call Set-Up For Multiple Leg Telecommunications Sessions
									Laser Communication System and Method of Operation Using Multiple Transmitters And Multiple
Stuart 1 (HR)	Stuart 1 (HR)-US-NP	US6525853	09/397015		US	25-Feb-03	15-Sep-19	15-Sep-99	Receivers With Dispersive Multiplexing In Multimode Fiber
Studie I (III)	Studit 1 (TIK)-05-W	030323033	03/33/013		0.5	23-165-03	13-3cp-13	13-3cp-33	
Stuart 10 (HR)	Stuart 10 (HR)-US-NP	US7218850	10/636385		US	15-May-07	21-Jun-25	7-Aug-03	Apparatus And Method For Monitoring Signal-To- Noise Ratio In Optical Transmission Systems
Stuart 7 (HR)	Stuart 7 (HR)-US-NP	U56823144	09/892180	20020196507	US	23-Nov-04	26-Jun-21	26-Jun-01	Optical Transmission System  Call Control Model For A Packet-Based Intelligent
Su 4-2 (S)	Su 4-2 (S)-US-NP	US6693898	09/495187		US	17-Feb-04	1-Feb-20	1-Feb-00	Telecommunications Network
5.445-20 (5)	Culti- 20 (E) HC ND	HECCOCA2A	00/544155		uc	12 4 02	22 4 20	22 4 00	Optical Fiber Interconnect Having Offset Ends With
Suhir 20 (E)	Suhir 20 (E)-US-NP	US6606434	09/644166		US	12-Aug-03	23-Aug-20	23-Aug-00	Reduced Tensile Stress And Fabrication Method
Sukkar 9 (RA)	Sukkar 9 (RA)-US-NP	US6292778	09/183720		US	18-Sep-01	30-Oct-18	30-Oct-98	Task-Independent Utterance Verification With Subword-Based Minimum Verification Error Training
Sunay 2 (MO)	Sunay 2 (MO)-US-NP	US8149684	09/660093		US	3-Apr-12	1-Jul-28	12-Sep-00	Code Space Sharing Among Multiple Modes Of Operation
Swerdlow 3 (RB)	Swerdlow 3 (RB)-US-NP	US5995504	08/897457		US	30-Nov-99	21-Jul-17	21-Jul-97	DACS Network Architecture
Szalajski 1 (D)	Szalajski 1 (D)-DE-EPA	EP0921701	98308976.4		DE	24-Aug-05	3-Nov-18	3-Nov-98	Cordless Communication System Operating Under The DECT Standard
Szalajski 1 (D)	Szalajski 1 (D)-FI-EPA	EP0921701	98308976.4		FI	24-Aug-05	3-Nov-18	3-Nov-98	Cordless Communication System Operating Under The DECT Standard
Szalajski 1 (D)	Szalajski 1 (D)-FR-EPA	EP0921701	98308976.4		FR	24-Aug-05	3-Nov-18	3-Nov-98	Cordless Communication System Operating Under The DECT Standard
Szalajski 1 (D)		EP0921701	98308976.4		GB				Cordless Communication System Operating Under The DECT Standard
	Szalajski 1 (D)-GB-EPA					24-Aug-05	3-Nov-18	3-Nov-98	Cordless Communication System Operating Under
Szalajski 1 (D)	Szalajski 1 (D)-SE-EPA	EP0921701	98308976.4		SE	24-Aug-05	3-Nov-18	3-Nov-98	The DECT Standard Cordless Communication System Operating Under
Szalajski 1 (D)	Szalajski 1 (D)-US-NP	US6434388	09/201497		US	13-Aug-02	30-Nov-18	30-Nov-98	The DECT Standard  Device And Method For Controlling The Quality of
Szurkowski 21-2 (ES) Tailor 1 (M)	Szurkowski 21-2 (ES)-US-NP Tailor 1 (M)-US-NP	US6421350 US6127895	08/940781 09/257754		US US	16-Jul-02 3-Oct-00	30-Sep-17 25-Feb-19	30-Sep-97 25-Feb-99	Service In Data Networks Clock Pulse Generator
	, ,			20050095101					Method And System For Connecting Calls Through
Tao 4 (X)	Tao 4 (X)-US-NP	US7269658	10/687119	20050085181	US	11-Sep-07	14-Mar-26	16-Oct-03	Virtual Media Gateways  Method For Conveying TTY Signals Over Wireless
Tarraf 4 (AA)	Tarraf 4 (AA)-DE-EPA	EP0982904	99306467.4	EP0982904	DE	6-Oct-10	17-Aug-19	17-Aug-99	Communication Systems  Method For Conveying TTY Signals Over Wireless
Tarraf 4 (AA)	Tarraf 4 (AA)-FR-EPA	EP0982904	99306467.4	EP0982904	FR	6-Oct-10	17-Aug-19	17-Aug-99	Communication Systems Method For Conveying TTY Signals Over Wireless
Tarraf 4 (AA)	Tarraf 4 (AA)-GB-EPA	EP0982904	99306467.4	EP0982904	GB	6-Oct-10	17-Aug-19	17-Aug-99	Communication Systems Method For Conveying TTY Signals Over Wireless
Tarraf 4 (AA)	Tarraf 4 (AA)-KR-NP	KR621815	19990035819		KR	1-Sep-06	27-Aug-19	27-Aug-99	Communication Systems
Tarraf 4 (AA)	Tarraf 4 (AA)-US-NP	US6434198	09/143417		US	13-Aug-02	28-Aug-18	28-Aug-98	Method For Conveying TTY Signals Over Wireless Communication Systems
									Apparatus And Method For Conveying TTY Signals
Tarraf 6 (AA)	Tarraf 6 (AA)-US-NP	US6351495	09/143416		US	26-Feb-02	28-Aug-18	28-Aug-98	Over Wireless Telecommunication Systems
									Bridged Polysesquioxane Host Matrices Containing
Taylor-Smith 14 (RE)	Taylor-Smith 14 (RE)-US-NP	US7433118	10/606690	20040263952	US	7-Oct-08	29-Sep-26	26-Jun-03	Lanthanides Chelated By Organic Guest Ligands, And Methods Of Making Such Matrices
Tekinay 4 (S)	Tekinay 4 (S)-US-NP	US6175811	08/984779		US	16-Jan-01	4-Dec-17	4-Dec-97	Method For Frequency Environment Modeling And Characterization
Telica 1 Telica 3	Telica 1 ()-US-NP Telica 3 ()-US-NP	US6581121 US6587347	09/790836 09/789743		US US	17-Jun-03 1-Jul-03	17-Aug-21 27-Mar-21	22-Feb-01 22-Feb-01	Maintenance Link System And Method Chassis Support And Cable Protection System
Telica 4	Telica 4 ()-US-NP	US6540312	09/790837		US	1-Apr-03	23-Feb-21	22-Feb-01	Cable Guide System Switching System And Method Having Low,
Telica 7	Telica 7 ()-US-NP	US7436815	09/790820	20010033572	US	14-Oct-08	8-Sep-24	22-Feb-01	Deterministic Latency

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION BATE	APPLICATION DATE	HTLE
ten Brink 6-8 (S)	ten Brink 6-8 (S)-JP-NP	JP3865949	257353/1998	11178036	JP	13-Oct-06	11-Sep-18	11-Sep-98	Soft Handover System For A Multiple Sub-Carrier Communication System And Method Thereof
ten Brink 6-8 (S)	ten Brink 6-8 (S)-US-NP	US6038450	08/928307		US	14-Mar-00	12-Sep-17	12-Sep-97	Soft Handover System For A Multiple Sub-Carrier Communication System And Method Thereof
Thompson 1-4 (JA)	Thompson 1-4 (JA)-US-NP	US6782268	09/103021		US	24-Aug-04	23-Jun-18	23-Jun-98	Method And Apparatus For Tracking Call History For Mobile And Wireline Users Accessing The Network On Different Ports For Subsequent Calls Bi-Directional Optical Transmission Using Dual
Thompson 6 (WA)	Thompson 6 (WA)-DE-EPA	EP1168686	01300296.9	EP1168686	DE	9-Oct-02	15-Jan-21	15-Jan-01	Channel Bands Bi-Directional Optical Transmission Using Dual
Thompson 6 (WA)	Thompson 6 (WA)-FR-EPA	EP1168686	01300296.9	EP1168686	FR	9-Oct-02	15-Jan-21	15-Jan-01	Channel Bands Bi-Directional Optical Transmission Using Dual
Thompson 6 (WA)	Thompson 6 (WA)-GB-EPA	EP1168686	01300296.9	EP1168686	GB	9-Oct-02	15-Jan-21	15-Jan-01	Channel Bands Bi-Directional Optical Transmission Using Dual
Thompson 6 (WA)	Thompson 6 (WA)-JP-NP	JP3737393	2001197608	2002077062	JP	4-Nov-05	29-Jun-21	29-Jun-01	Channel Bands
Thompson 6 (WA)	Thompson 6 (WA)-US-NP	US6973268	09/608406		US	6-Dec-05	5-May-22	30-Jun-00	Bi-Directional Optical Transmission Using Dual Channel Bands
Thomson 19 (DJ)	Thomson 19 (DJ)-US-NP	US6351729	09/352417		US	26-Feb-02	12-Jul-19	12-Jul-99	Multiple-Window Method For Obtaining Improved Spectrograms Of Signals
Thorn 1 (RR)	Thorn 1 (RR)-US-NP	US6332318	09/560914		US	25-Dec-01	28-Apr-20	28-Apr-00	Solidification Engine And Thermal Management System For Electronics
Tonello 6 (AM)	Tonello 6 (AM)-JP-NP	JP3728171	2000078070		JP	7-Oct-05	21-Mar-20	21-Mar-00	Soft Output Metrics Generation For Symbol Detectors
Tonello 6 (AM)	Tonello 6 (AM)-US-NP	US6480552	09/275147		US	12-Nov-02	24-Mar-19	24-Mar-99	Soft Output Metrics Generation For Symbol Detectors
Torabi 5 (M)	Torabí 5 (M)-US-NP	U56810243	09/845139	20020160776	US	26-Oct-04	30-Apr-21	30-Apr-01	Surrogate Service Attendant Enhanced Recovery Action In Service Specific
Torri 1-1 (RJ)	Torri 1-1 (RJ)-US-NP	US7283531	10/624377	20050020291	US	16-Oct-07	12-Apr-26	22-Jul-03	Connection Orientation Protocol Obtaining Information About A Called
Toy 1-1-11 (AR) Tran 3 (AT)	Toy 1-1-11 (AR)-US-NP Tran 3 (AT)-US-NP	US6192115 US7002719	09/265027 10/342530	20040136045	US US	20-Feb-01 21-Feb-06	9-Mar-19 1-May-23	9-Mar-99 15-Jan-03	Telecommunications Party Mirror For An Integrated Device
									A Method And Apparatus For Configuring A Network
Trollope 2 (DS)	Trollope 2 (DS)-US-NP	US7788347	10/956870	20060072468	US	31-Aug-10	2-Nov-27	30-Sep-04	Node Using Multiple Peer-To-Peer Layers Fault Tolerance Via N-Modular Software Redundancy
Tsai 1 (T)	Tsai 1 (T)-US-NP	US6161196	09/100826		US	12-Dec-00	19-Jun-18	19-Jun-98	Using Indirect Instrumentation
Tu 4-6-10 (M)	Tu 4-6-10 (M)-US-NP	US8284759	11/343770	20070189278	US	9-Oct-12	4-Jan-29	31-Jan-06	System And Method For Compressing Voice Over IP Headers
Tzeng 4 (H)	Tzeng 4 (H)-US-NP	US6061712	09/003767		US	9-May-00	7-Jan-18	7-Jan-98	An Improved Method For IP Routing Table Lookup
Tzeng 7-1 (H) Urban 1-1 (RR)	Tzeng 7-1 (H)-US-NP Urban 1-1 (RR)-US-NP	US6959323 US6108527	09/384699 08/903873		US	25-Oct-05 22-Aug-00	27-Aug-19 31-Jul-17	27-Aug-99 31-Jul-97	Scalable Atomic Multicast Wide Range Multiple Band RF Power Detector
Urbanke 1-5 (RL)	Urbanke 1-5 (RL)-US-NP	US6175944	08/892855		US	16-Jan-01	15-Jul-17	15-Jul-97	Methods And Apparatus For Packetizing Data For Transmission Through An Erasure Broadcast Channel
Valluru 1 (S)	Valluru 1 (S)-DE-EPT	EP2208386	08844051.6	EP2208386	DE	26-Aug-15	24-Oct-28	24-Oct-08	Method And Apparatus For Providing Call Admission Control For VOIP Over Wireless Local Area Networks Using A Transparent Proxy Agent
Valluru 1 (S)	Valluru 1 (S)-FR-EPT	EP2208386	08844051.6	EP2208386	FR	26-Aug-15	24-Oct-28	24-Oct-08	Method And Apparatus For Providing Call Admission Control For VOIP Over Wireless Local Area Networks Using A Transparent Proxy Agent
									Method And Apparatus For Providing Call Admission
Valluru 1 (S)	Valluru 1 (S)-GB-EPT	EP2208386	08844051.6	EP2208386	GB	26-Aug-15	24-Oct-28	24-Oct-08	Control For VOIP Over Wireless Local Area Networks Using A Transparent Proxy Agent
Valluru 1 (S)	Valluru 1 (S}-IN-PCT		2871/DELNP/2010	2871/DELNP/2010	IN		24-Oct-28	24-Oct-08	Method And Apparatus For Providing Call Admission Control For VOIP Over Wireless Local Area Networks Using A Transparent Proxy Agent
Valluru 1 (S)	Valluru 1 (S)-JP-PCT	JP5180313	2010532023	2011504672	JP	18-Jan-13	24-Oct-28	24-Oct-08	Method And Apparatus For Providing Call Admission Control For VOIP Over Wireless Local Area Networks Using A Transparent Proxy Agent
Valluru 1 (S)	Valluru 1 (S)-KR-PCT	KR101178146	20107008923		KR	23-Aug-12	24-Oct-28	24-Oct-08	Method And Apparatus For Providing Call Admission Control For VOIP Over Wireless Local Area Networks Using A Transparent Proxy Agent
Valluru 1 (S)	Valluru 1 (S)-US-NP	US8320383	11/930840	20090109977	US	27-Nov-12	16-Feb-29	31-Oct-07	Method And Apparatus For Providing Call Admission Control For VOIP Over Wireless Local Area Networks Using A Transparent Proxy Agent
	van der Gaast 9 (T)-EP-EPA		07120940.7	EP2061201	EP		16-Nov-27	16-Nov-07	Ambience Personalized Session Environment
Van Thourhout 2 (D)	Van Thourhout 2 (D)-US-NP	US6931036	10/396185		US	16-Aug-05	15-Apr-23	25-Mar-03	Digitally Tunable Laser
	Vannucci 28 (G)-US-NP	US6175270	09/035213		US	16-Jan-01	5-Mar-18	5-Mar-98	Method And Apparatus For Tailored Distortion Of A Signal Prior To Amplification To Reduce Clipping
Varney 31 (DW)	Varney 31 (DW)-JP-PCT	JP5735497	2012518540	2012532524	JP	24-Apr-15	15-Jun-30	15-Jun-10	Method And System For Reducing The Number Of Presence Events Within A Network
Vasudevan 30-30 (S)	Vasudevan 30-30 (S)-KR-PCT	KR101159659	20107007761	20100068427	KR	19-Jun-12	1-Oct-28	1-Oct-08	Methods For Idle Registration And Idle Handoff In A Femto Environment
Vasudevan 30-30 (S)	Vasudevan 30-30 (S)-CN-PCT	ZL200880110898 .0	200880110898.0	101822101	CN	27-Mar-13	1-Oct-28	1-Oct-08	Methods For Idle Registration And Idle Handoff In A Femto Environment
Vasudevan 30-30 (S)	Vasudevan 30-30 (S)-DE-EPT	EP2201803	08839160.2	EP2201803	DE	9-Dec-15	1-Oct-28	1-Oct-08	Methods For Idle Registration And Idle Handoff In A Femto Environment
Vasudevan 30-30 (S)	Vasudevan 30-30 (S)-FR-EPT	EP2201803	08839160.2	EP2201803	FR	9-Dec-15	1-Oct-28	1-Oct-08	Methods For Idle Registration And Idle Handoff In A Femto Environment
Vasudevan 30-30 (S)	Vasudevan 30-30 (S)-GB-EPT	EP2201803	08839160.2	EP2201803	GB	9-Dec-15	1-Oct-28	1-Oct-08	Methods For Idle Registration And Idle Handoff In A Femto Environment
Vasudevan 30-30 (S)	Vasudevan 30-30 (S)-IN-PCT	IN278609		1831/CHENP/2010	IN	27-Dec-16	1-Oct-28	1-Oct-08	Methods For Idle Registration And Idle Handoff In A Femto Environment
	Vasudevan 30-30 (S)-US-NP	US8811334	12/007425	20090097448	US	19-Aug-14	31-May-30	10-Jan-08	Methods For Idle Registration And Idle Handoff In A Femto Environment

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY S	Case Reference	GHANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION	TITLE
									Integrated Circuit To Integrated Circuit Interface Between A Personal Computer And An External
Vegter 2 (K) V	Vegter 2 (K)-US-NP	US6286073	09/203096		US	4-Sep-01	1-Dec-18	1-Dec-98	Device
Vierling 1 (MD) V	vierling 1 (MD)-US-NP	US7088712	09/894797	20030035418	US	8-Aug-06	27-Jan-24	28-Jun-01	Call Data And Hardware Cache For A Dial-Up Access Concentrator
Voelker 2 (JA) V	Voelker 2 (JA)-US-NP	US6370112	09/098151		US	9-Apr-02	16-Jun-18	16-Jun-98	Seamless Path Switchover In A Connection-Oriented Packet Network
Votava 1 (CM) V	Votava 1 (CM)-US-NP	US6418141	09/088604		US	9-Jul-02	1-Jun-18	1-Jun-98	Multi-Cast Enabled Web Server State Variable-Based Table-Driven Modulation Signal
Wang 11 (RC) V	Wang 11 (RC)-US-NP	US6194977	09/072813		US	27-Feb-01	5-May-18	5-May-98	Generation
									Method And System For Providing Wireless Mobile Server And Peer-To-Peer Services With Dynamic DNS
Wang 3 (J) V	Wang 3 (J)-US-NP	US6614774	09/205963		US	2-Sep-03	4-Dec-18	4-Dec-98	Update
Wang 3 (J1) V	Wang 3 (J1)-US-NP	US6845352	09/533396		US	18-Jan-05	22-Mar-20	22-Mar-00	Framework For Flexible And Scalable Real-Time Traffic Emulation For Packet Switched Networks
		ZL200880007024		101522257					Traffic Load Control In A Telecommunications
	Wang 3 (Y)-CN-PCT	.2	200880007024.2	101632267	CN	23-May-12	4-Jan-28	4-Jan-08	Network Traffic Load Control In A Telecommunications
Wang 3 (Y) V	Wang 3 (Y)-DE-EPT	EP2103050	08705492.0	EP2103050	DE	24-Nov-10	4-Jan-28	4-Jan-08	Network Traffic Load Control In A Telecommunications
Wang 3 (Y) V	Wang 3 (Y)-FR-EPT	EP2103050	08705492.0	EP2103050	FR	24-Nov-10	4-Jan-28	4-Jan-08	Network Traffic Load Control In A Telecommunications
Wang 3 (Y) V	Wang 3 (Y)-GB-EPT	EP2103050	08705492.0	EP2103050	GB	24-Nov-10	4-Jan-28	4-Jan-08	Network Traffic Load Control In A Telecommunications
Wang 3 (Y) V	Wang 3 (Y)-JP-PCT	JP4847589	2009545572	2010516183	JP	21-Oct-11	4-Jan-28	4-Jan-08	Network
Wang 3 (Y) V	Wang 3 (Y)-KR-PCT	KR101072797	20097016467		KR	6-Oct-11	4-Jan-28	4-Jan-08	Traffic Load Control In A Telecommunications Network
Wang 3 (Y) V	Wang 3 (Y)-US-NP	US7782901	11/651213	20080165687	US	24-Aug-10	29-May-28	9-Jan-07	Traffic Load Control In A Telecommunications Network
Trango (1)	Hang a (ty as th	00,10201	11,001210	20001000	0.0	217108 20	25 (114) 25	5 7411 07	
									Method And System For Unified Overload And Overflow Control To Support Voip And Multiple Qos
Wang 6-12 (L) V	Wang 6-12 (L)-DE-EPT	EP2163050	08768839.6	EP2163050	DE	11-Jan-12	27-Jun-28	27-Jun-08	Flow Traffic In Communication Network
									Method And System For Unified Overload And Overflow Control To Support Voip And Multiple Qos
Wang 6-12 (L) V	Wang 6-12 (L)-FR-EPT	EP2163050	08768839.6	EP2163050	FR	11-Jan-12	27-Jun-28	27-Jun-08	Flow Traffic In Communication Network
									Method And System For Unified Overload And
Wang 6-12 (L) V	Wang 6-12 (L)-GB-EPT	EP2163050	08768839.6	EP2163050	GB	11-Jan-12	27-Jun-28	27-Jun-08	Overflow Control To Support Voip And Multiple Qos Flow Traffic In Communication Network
vulig 0-12 (L)	Wally 0-12 (c) 00-El 1	E1 2103030	00700033.0	E12103030	30	11-56/-12	27-3011-20	27 3011-00	
									Method And System For Unified Overload And Overflow Control To Support Voip And Multiple Qos
Wang 6-12 (L) V	Wang 6-12 (L)-JP-PCT	JP5031897	2010514838	2010532634	JP	6-Jul-12	27-Jun-28	27-Jun-08	Flow Traffic In Communication Network
									Method And System For Unified Overload And
Wang 6-12 (L) V	Wang 6-12 (L)-KR-PCT	KR101097034	20097026976		KR	15-Dec-11	27-Jun-28	27-Jun-08	Overflow Control To Support Voip And Multiple Qos Flow Traffic In Communication Network
									Method And System For Unified Overload And
Wang 6-12 (L) V	Wang 6-12 (L)-US-NP	US7894337	11/824114	20090003215	US	22-Feb-11	5-Jan-29	29-Jun-07	Overflow Control To Support Voip And Multiple Qos Flow Traffic In Communication Network
114119 5 12 (2)	11416 0 12 (2) 03 111	05/05/155/	11/02/11/	20050005215		2210011	5 3411 25	23 3011 07	
Wang 9 (H) V	Wang 9 (H)-US-NP	US6064262	09/160932		US	16-May-00	25-Sep-18	25-Sep-98	CMOS Differential Amplifier Having Offset Voltage Cancellation and Common- Mode Voltage Control
Warmink 6 (5) V	Warmink 6 (S)-US-NP	US6301709	09/201515		US	9-Oct-01	30-Nov-18	30-Nov-98	Circuit Pack System With Semi- or Fully-Automatic Upgrade Capability
Wei 40 (L) V	Wei 40 (L)-US-PCT	US6516037	09/230650		US	4-Feb-03	11-Jun-18	11-Jun-98	Multilevel Coding With Time Diversity
Wei 43 (L) V	Wei 43 (L)-US-NP	US6151370	09/023063		US	21-Nov-00	12-Feb-18	12-Feb-98	Path-Oriented Decoder For Signal-Dependent Noise
Wei 44 (L) V	Wei 44 (L)-US-NP	US6233286	09/049268		US	15-May-01	27-Mar-18	27-Mar-98	Path-Oriented Decoder Using Refined Receiver Trellis Diagram
Wei 45 (L) V	Wei 45 (L)-US-NP	US6421395	09/247704		US	16-Jul-02	9-Feb-19	9-Feb-99	Termination Of Coded Or Uncoded Modulation With Path-Oriented Decoder
Wei 46 (L) V	Wei 46 (L)-JP-PCT	JP3607675	2001500444	2003501860	JP	15-Oct-04	24-May-20	24-May-00	Turbo Code Termination
	Wei 46 (L)-TW-NP Wei 46 (L)-US-NP	TW141920 US6266795	89109847 09/524065	454391	TW US	11-Sep-01 24-Jul-01	22-May-20 13-Mar-20	22-May-00 13-Mar-00	Turbo Code Termination Turbo Code Termination
	Wei 47 (L)-JP-PCT	JP3737433 TW184746	2001500443 89109845	548905	JP TW	4-Nov-05	24-May-20	24-May-00 22-May-00	Serial-Concatenated Turbo Codes Serial-Concatenated Turbo Codes
	Wei 47 (L)-TW-NP Wei 47 (L)-US-NP	US6473878	09/451070	348903	US	21-Aug-03 29-Oct-02	22-May-20 30-Nov-19	30-Nov-99	Serial-Concatenated Turbo Codes
	Wei 50 (L)-US-NP	US6351832	09/560728		US	26-Feb-02	28-Apr-20	28-Apr-00	Turbo Code Symbol Interleaver
	Wei 47 (L)-KR-PCT	KR738247	2001701505 <del>9</del>		KR	5-Jul-07	24-May-20	24-May-00	Serial-Concatenated Turbo Codes
	Wei 54 (L)-US-DIV	US7272174	11/133099	20050213671	US	18-Sep-07	6-Apr-20	19-May-05	Upstream Data Transmission
	Wei 55 (L)-US-DIV Wei 49 (L)-US-NP	US7245675 US6931072	11/133096 09/826686	20050213670 20010055343	US US	17-Jul-07 16-Aug-05	6-Apr-20 5-Apr-21	19-May-05 5-Apr-01	Upstream Data Transmission Upstream Data Transmission
									Bandwidth-Efficient Modulation In Communication
	Wei 52 (L)-US-NP	US7050493	09/758958	20050152445	US	23-May-06	13-May-23	11-Jan-01	Systems Bandwidth-Efficient Modulation In Communication
Wei 52 (L) V	Wei 53 (L)-US-DIV	US7167518	11/133097	20050213675	US	23-Jan-07	11-Jan-21	19-May-05	Systems Distributed Scheduler For Packet Switches And
Wellen 3 (J) V	Wellen 3 (J)-DE-EPA	EP1215931	00311184.6		DE	11-Oct-06	14-Dec-20	14-Dec-00	Passive Optical Networks Distributed Scheduler For Packet Switches And
Wellen 3 (J) V	Wellen 3 (J)-FR-EPA	EP1215931	00311184.6		FR	11-Oct-06	14-Dec-20	14-Dec-00	Passive Optical Networks
Wellen 3 (J) V	Wellen 3 (J)-US-NP	US7088729	10/020660	20020075884	US	8-Aug-06	4-Aug-24	12-Dec-01	Distributed Scheduler For Packet Switches And Passive Optical Networks
									Apparatus And Method For Guiding And Aligning
	Mandard E (DAA) LIC ND	US6814607	10/706249		US	9-Nov-04	12-Nov-23	12-Nov-03	Circuit Board Assemblies To A Backplane
Wentzel 5 (RM) V	Wentzel 5 (RM)-US-NP		i		US	3-Feb-09	6-Feb-27	13-Dec-05	An Effective Control Algorithm For Optical Polarization Model Dispersion Compensators
	Werner 12-13 (D)-US-NP	US7486895	11/301388	20070133997	0.5	0 100 00	0-105-27		
Werner 12-13 (D) V	Werner 12-13 (D)-US-NP			20070133997					
Werner 12-13 (D) V Westbrook 17 (PS) V	Werner 12-13 (D)-US-NP Westbrook 17 (PS)-US-NP	US7079246	10/413962		US	18-Jul-06	5-Apr-24	15-Apr-03	Method And Apparatus For Measuring Polarization System Comprising In-Line Wavelength Sensitive
Werner 12-13 (D) V Westbrook 17 (PS) V Westbrook 9 (PS) V	Werner 12-13 (D)-US-NP Westbrook 17 (PS)-US-NP Westbrook 9 (PS)-US-NP	US7079246 US6591024	10/413962 09/774975	20010038729	US	18-Jul-06 8-Jul-03	5-Apr-24 31-Jan-21	15-Apr-03 31-Jan-01	Method And Apparatus For Measuring Polarization System Comprising In-Line Wavelength Sensitive Polarimeter Compact Non-Blocking Non-Dilated Optical Switch
Werner 12-13 (D) V Westbrook 17 (PS) V Westbrook 9 (PS) V	Werner 12-13 (D)-US-NP Westbrook 17 (PS)-US-NP	US7079246	10/413962		US	18-Jul-06	5-Apr-24	15-Apr-03	Method And Apparatus For Measuring Polarization System Comprising In-Line Wavelength Sensitive Polarimeter

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FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	HILE
White 15 (IA)	White 15 (IA)-GB-EPA	EP1005247	99309085.1	EP1005247	GB	5-May-10	16-Nov-19	16-Nov-99	Compact Non-Blocking Non-Dilated Optical Switch Using Mode Conversion
White 15 (IA)	White 15 (IA)-JP-NP	JP3745178	11331309		JP	2-Dec-05	22-Nov-19	22-Nov-99	Compact Non-Blocking Non-Dilated Optical Switch Using Mode Conversion
									Compact Non-Blocking Non-Dilated Optical Switch
White 15 (IA) Widdup 3 (BJ)	White 15 (IA)-US-NP Widdup 3 (BJ)-US-NP	US6151431 US6798366	09/198660 10/628699		US	21-Nov-00 28-Sep-04	24-Nov-18 28-Jul-23	24-Nov-98 28-Jul-03	Using Mode Conversion Architecture For A Faster Max* Computation
Wierzbicki 15-2 (AL)	Wierzbicki 15-2 (AL)-DE-EPA	EP0989766	99307301.4	EP0989766	DE	30-Jul-03	14-Sep-19	14-Sep-99	Network Mute Feature In Wireless Telecommunications Systems
Wierzbicki 15-2 (AL)	Wierzbicki 15-2 (AL)-FI-EPA	EP0989766	99307301.4	EP0989766	FI	30-Jul-03	14-Sep-19	14-Sep-99	Network Mute Feature In Wireless Telecommunications Systems
Wierzbicki 15-2 (AL)	Wierzbicki 15-2 (AL)-GB-EPA	EP0989766	99307301.4	EP0989766	GB	30-Jul-03	14-Sep-19	14-Sep-99	Network Mute Feature In Wireless Telecommunications Systems
				EF 0383 7 00	JP				Network Mute Feature In Wireless
Wierzbicki 15-2 (AL)	Wierzbicki 15-2 (AL)-JP-NP	JP3739979	11266099			11-Nov-05	20-Sep-19	20-Sep-99	Telecommunications Systems Network Mute Feature In Wireless
Wierzbicki 15-2 (AL)	Wierzbicki 15-2 (AL)-SE-EPA	EP0989766	99307301.4	EP0989766	SE	30-Jul-03	14-Sep-19	14-Sep-99	Telecommunications Systems Network Mute Feature In Wireless
Wierzbicki 15-2 (AL)	Wierzbicki 15-2 (AL)-US-NP	US6226513	09/159367		US	1-May-01	23-Sep-18	23-Sep-98	Telecommunications Systems
Wierzbicki 16-3 (AL)	Wierzbicki 16-3 (AL)-US-NP	US6216011	09/159366		US	10-Apr-01	23-Sep-18	23-Sep-98	Mobile Unit For Accommodating Network Mute Feature In Wireless Telecommunications Systems
Wild 10 (RL)	Wild 14 (RL)-US-CIP	US6021881	08/986293		US	8-Feb-00	22-Jul-17	6-Dec-97	Anti-Fraud String Cutter
Wild 12 (RL)	Wild 12 (RL)-US-NP	US6377246	09/008047		US	23-Apr-02	16-Jan-18	16-Jan-98	Article Comprising A Computer-Style Keyboard
Wild 13 (RL)	Wild 13 (RL)-US-NP	US6039165	09/024724		US	21-Mar-00	17-Feb-18	17-Feb-98	Coin Change Mechanism
Wills 9 (GJ)	Wills 9 (GI)-US-NP	US6304260	09/103921		US	16-Oct-01	24-Jun-18	24-Jun-98	Method And Apparatus For Generating And Displaying Views Of Hierarchically Clustered Data
Wilson 1 (RJ)	Wilson 1 (RI)-US-NP	US6496571	09/141996		US	17-Dec-02	28-Aug-18	28-Aug-98	Telecommunication System, Method And Telephone With Personal Caller Identification Capability
Wilson 17 (WL)	Wilson 17 (WL)-JP-NP	JP4184574	2000130591		JP	12-Sep-08	28-Apr-20	28-Apr-00	System And Method For Controlling The Selectivity Of A Holographic Memory System
Wilson 17 (WL)	Wilson 17 (WL)-KR-NP	KR627542	20000023461		KR	15-Sep-06	2-May-20	2-May-00	System And Method For Controlling The Selectivity Of A Holographic Memory System
Wilson 17 (WL)	Wilson 17 (WL)-US-NP	US6178019	09/304031		US	23-Jan-01	3-May-19	3-May-99	System And Method For Controlling The Selectivity Of A Holographic Memory System
Wischoeffer 1 (WS)	Wischoeffer 1 (WS)-US-NP	US6426705	09/165484		US	30-Jul-02	2-Oct-18	2-Oct-98	A Control That Enables/Disables A User Interface
Wischberrer 1 (WS)	Wischberter T(Ws) 05 W	030420703	03/103404		03	30 301 02	2 000 10	2 000 30	Communications Channel Synchronous Micro-Cell
Witschorik 11 (CA)	Witschorik 11 (CA)-US-NP	US6396829	09/347786		US	28-May-02	6-Jul-19	6-Jul-99	System For Integrating Circuit And Packet Data Transmissions
Witschorik 11 (CA)	Witschorik 11 (CA)-DE-EPA	EP1073239	00305388.1	EP1073239	DE	11-Aug-10	27-Jun-20	27-Jun-00	Communications Channel Synchronous Micro-Cell System For Integrating Circuit And Packet Data Transmissions
									Communications Channel Synchronous Micro-Cell System For Integrating Circuit And Packet Data
Witschorik 11 (CA)	Witschorik 11 (CA)-FR-EPA	EP1073239	00305388.1	EP1073239	FR	11-Aug-10	27-Jun-20	27-Jun-00	Transmissions Communications Channel Synchronous Micro-Cell
Witschorik 11 (CA)	Witschorik 11 (CA)-GB-EPA	EP1073239	00305388.1	EP1073239	GB	11-Aug-10	27-Jun-20	27-Jun-00	System For Integrating Circuit And Packet Data Transmissions A Method For Producing Snap Fit Apertures For RF
Witty 4 (RG)	Witty 4 (RG)-US-NP	US6380491	09/383701		US	30-Apr-02	26-Aug-19	26-Aug-99	Shield Fences
Woo 26 (TY)	Woo 26 (TY)-US-NP	US6604147	09/567371		US	5-Aug-03	9-May-20	9-May-00	Scalable IP Edge Router
Wood 27 (TH)	Wood 27 (TH)-US-NP	US7088921	09/332264		US	8-Aug-06	11-Jun-19	11-Jun-99	System For Operating An Ethernet Data Network Over A Passive Optical Network Access System
Woodward 10 (TK)	Woodward 10 (TK)-US-NP	US5892220	08/906366		US	6-Apr-99	5-Aug-17	5-Aug-97	Linearized Feedback Element For Two-Beam Smart Pixel Receivers
(,	(,		,						Cryptographic Method And Apparatus For Restricting
19714 (4)	W14 (8) US NO	UE6072122	00/011650		116	6 h 00	45.447	15.407	Access To Transmitted Programming Content Using
Wool 1 (A)	Wool 1 (A)-US-NP	US6073122	08/911650		US	6-Jun-00	15-Aug-17	15-Aug-97	Extended Headers
									Cryptographic Method And Apparatus For Restricting Access To Transmitted Programming Content Using
Wool 2 (A)	Wool 2 (A)-US-NP	US6373948	08/912186		US	16-Apr-02	15-Aug-17	15-Aug-97	Program Identifiers  Combinatorial Design Method And Apparatus For
Wool 5-3 (A)	Wool 5-3 (A)-US-NP	US6563833	09/225991		US	13-May-03	5-Jan-19	5-Jan-99	Multi-Ring Networks With Combined Routing And Flow Control
Yaker 10 (R)	Yaker 10 (R)-US-NP	US5950167	09/013665		US	7-Sep-99	26-Jan-18	26-Jan-98	Remotely-Controlled Computer Operations
Values D (D)	Value 19 (D) HC DB/	1157074276	10/411759	20040008524	lie.	E Ivil 11	6 May 22	11 Ann 02	System And Method For Providing Advanced Calling Features To A packet Network-Based Communication
Yaker 9 (R)	Yaker 18 (R)-US-DIV	US7974276	10/411/32	20040008621	US	5-Jul-11	6-May-22	11-Apr-03	Device And Packet Network Employing The Same
Yaker 9 (R)	Yaker 9 (R)-US-NP	US6594230	09/027842		US	15-Jul-03	23-Feb-18	23-Feb-98	System And Method For Providing Advanced Calling Features To A packet Network-Based Communication Device And Packet Network Employing The Same
Yang 1 (J)	Yang 1 (J)-US-NP	US6788675	09/979812		US	7-Sep-04	14-Nov-21	14-Nov-01	Method And Apparatus For Telecommunications Using Internet Protocol
Yang 1 (J)	Yang 1 (J)-JP-PCT	JP3694241	2000619894	2003500933	JP	1-Jul-05	7-Apr-20	7-Apr-00	Method And Apparatus For Telecommunications Using Internet Protocol
Yang 10 (J)	Yang 10 (J)-US-DIV	US7154881	10/706730	20040095939	US	26-Dec-06	2-Jan-23	11-Nov-03	Method And Apparatus For Telecommunications Using Internet Protocol
10.19 10 (1)	40 (v) 00 018	237134301			33	20 000-00	2301723	11.504-03	Apparatus And Method For Controlling Telephone Communications During Intervals Of High Call Traffic
Yang 11-5 (Z)	Yang 11-5 (Z)-US-NP	US7116767	10/180240	20040001577	US	3-Oct-06	30-Oct-23	26-Jun-02	Volume
									Single-Stage Dual-Band Low-Noise Amplifier For Use
Yeh 2 (HJ)	Yeh 2 (HJ)-DE-EPA	EP0886384	98304330.8	EP0886384	DE	21-Feb-07	2-Jun-18	2-Jun-98	In A Wireless Communication System Receiver
Yeh 2 (HJ)	Yeh 2 (HJ)-FR-EPA	EP0886384	98304330.8	EP0886384	FR	21-Feb-07	2-Jun-18	2-Jun-98	Single-Stage Dual-Band Low-Noise Amplifier For Use In A Wireless Communication System Receiver
Yeh 2 (HJ)	Yeh 2 (HJ)-GB-EPA	EP0886384	98304330.8	EP0886384	GB	21-Feb-07	2-Jun-18	2-Jun-98	Single-Stage Dual-Band Low-Noise Amplifier For Use In A Wireless Communication System Receiver

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FAMILY	CASE REFERENCE	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	HILE
Zappala 7 (CF)	Zappala 7 (CF)-US-NP	US6374094	09/426858		US	16-Apr-02	26-Oct-19	26-Oct-99	RF Filter Architecture Supporting Simultaneous Filtered Reception Of A And B Bands Of The Cellular Radio Frequency Spectrum
Edippuid 7 (or)	Ediplate 7 (et y 95 W	0.00371031	37 123030		0.5	1070.02	25 500 15	20 04. 33	Method And Apparatus For Discriminating Speech
Zhang 1 (PJ)	Zhang 1 (PJ)-US-NP	US7487083	09/615945		US	3-Feb-09	13-Jun-23	13-Jul-00	From Voice-Band Data In A Communication Network
Zhang 1 (PJ)	Zhang 1 (PJ)-CN-NP	ZL00122657.6	00122657.6	CN1332441	CN	13-Jul-05	4-Jul-20	4-Jul-00	Method And Apparatus For Discriminating Speech From Voice-Band Data In A Communication Network
Zhang 2 (Y)	Zhang 2 (Y)-US-NP	US8331357	11/084887	20060209811	US	11-Dec-12	12-Oct-26	21-Mar-05	Computer Telephony Using A Circuit-Switched Network
Zhang 2 (Z)	Zhang 2 (Z)-US-NP	US6285863	09/448237		US	4-Sep-01	24-Nov-19	24-Nov-99	A System And Method For Providing Automatic Gain Control With High Dynamic Range
Zheng 1-15 (D)	Zheng 1-15 (D)-US-NP	US7031460	09/170835		US	18-Apr-06	13-Oct-18	13-Oct-98	Telephonic Handset Employing Feed-Forward Noise Cancellation
Zhong 1 (L)	Zhong 1 (L)-US-NP	US6285876	09/056141		US	4-Sep-01	7-Apr-18	7-Apr-98	Test Unit With Programmable Transmit Timing For Telecommunication Systems Interleaver Adress Generator And Method Of
Zhou 1 (GG)	Zhou 1 (GG)-US-NP	US7058874	10/153824	20030221084	US	6-Jun-06	13-Feb-24	24-May-02	Generating An Interleaver Address Method And Apparatus For Spread Spectrum Pilot
Zhou 2 (WW)	Zhou 2 (WW)-US-NP	US5999048	09/006539		US	7-Dec-99	13-Jan-18	13-Jan-98	Extraction For RF Amplifiers
Zhu 1 (H)	Zhu 1 (H)-US-NP	US7912452	11/413612	20070197226	US	22-Mar-11	15-Oct-28	28-Apr-06	Authenticating A Removable User Identity Module To An Internet Protocol Multimedia Subsystem (IMS) Remote Reconfiguration Method For Feature-
Zhu 1 (X)	Zhu 1 (X)-US-NP	US6240172	09/015383		US	29-May-01	29-Jan-18	29-Jan-98	Function Telephone Sets
Ziesse 7 (NG)	Ziesse 7 (NG)-US-NP	US6026132	08/939452		US	15-Feb-00	29-Sep-17	29-Sep-97	A Method And Apparatus For Mitigating The Effects Of Rayleigh Fading At LowVehicle Speeds
Zievers 1 (PJ)	Zievers 1 (PJ)-US-NP	US7162551	10/699315	20050111353	US	9-Jan-07	30-Jun-24	31-Oct-03	Memory Management System Having A Linked List Processor Contention Resolution In A Memory Management
Zievers 2 (PJ)	Zievers 2 (PJ)-US-NP	US7120706	10/699530	20050108464	US	10-Oct-06	14-Dec-24	31-Oct-03	System Memory Management System For A Data Processing
Zievers 3 (PJ)	Zievers 3 (PJ)-US-NP	US7159049	10/699355	20050097259	US	2-Jan-07	21-Sep-24	31-Oct-03	System Erbium-Doped Fiber Amplifier With Automatic Gain
Zyskind 16 (JL)	Luo 1-10-17-9-16 (G)-US-NP	US6008932	08/946469		US	28-Dec-99	7-Oct-17	7-Oct-97	Control Erbium-Doped Fiber Amplifier With Automatic Gain
Zyskind 16 (JL)	Luo 2-18-25-17-29 (G)-US-DIV	US6094298	09/348112		US	25-Jul-00	7-Oct-17	6-Jul-99	Control
102865	102865-EP-EPA		01401494.8	EP1168866	EP			11-Jun-01	PROCEDE D'OBTENTION D'UNE REPRESENTATION GEOGRAPHIQUE DU TRAFIC DANS UN RESEAU DE RADIOCOMMUNICATION MOBILE
104382	104382-US-PCT		10/496511	20040246923	US			22-Nov-02	Improvement Of The Tbf Handover Procedure For Gprs
									CONTROLE DE LA RESERVATION DE RESSOURCES PARTAGEES DE CHEMINS DE CONNEXION DANS UN RESEAU DE COMMUNICATION A COMMUTATION
105501	105501-FR-NP	FR2883439	0550715	2883439	FR	20-Jul-07		21-Mar-05	D'ETIQUETTES DE TYPE "NON PAQUET" A SYNCHRONIZATION SYSTEM USING REDUNDANT CLOCK SIGNALS FOR EQUIPMENT OF A
105961	105961-IN-PCT		5588/DELNP/2007		IN			1-Feb-06	SYNCHRONOUS TRANSPORT NETWORK SEMANTIC DESCRIPTIONS / ONTOLOGIES
106123	106123-FR-NP		0653814	2906049	FR			19-Sep-06	GENERATION FROM TEXT SEMANTIC DESCRIPTIONS / ONTOLOGIES
106123	106123-IN-PCT		1545/CHENP/2009	1545/CHENP/2009	IN			17-Sep-09	GENERATION FROM TEXT  A METHOD FOR ACCESS BY A MOBILE STATION TO A
106279	106279-CN-DIV		201010268532.5	101917754	CN			27-Apr-07	CORE NETWORK VIA A AN UNLICENSED MOBILE ACCESS NETWORK A METHOD FOR ACCESS BY A MOBILE STATION TO A
106279	106279-EP-EPA		06300417.0	EP1850618	EP			28-Apr-06	CORE NETWORK VIA AN UNLICENSED MOBILE ACCESS NETWORK A METHOD FOR ACCESS BY A MOBILE STATION TO A
106279	106279-US-NP		11/740597	20070254653	US			26-Apr-07	CORE NETWORK VIA A AN UNLICENSED MOBILE ACCESS NETWORK
106495	106495-CN-PCD		201310073145.X	103209480	CN			2-Jul-07	SAVING RADIO RESOURCES DURING WIMAX PAGING (802.16e) SAVING RADIO RESOURCES DURING WIMAX PAGING
106495	106495-IN-PCT		45/CHENP/2009		IN			2-Jul-07	(802.16e) Automatic Configuration of Transmission Networks
110635 110750	110635-CN-NP 110750-JP-NP	ZL98119230.0	98119230.0 125516/99	1227994 2000029856	CN JP	17-Dec-04		11-Sep-98 6-May-99	for IP Traffic Load Sharing Algorithm
111649 112027	111649-GB-EPA 112027-CN-NP	EP1250024 ZL03105416.1	02360093.5 03105416.1	EP1250024 1450733	GB CN	23-Nov-05 8-Feb-06		20-Mar-02 20-Feb-03	Optischer Crossconnect Optical Fiber Transmission System
114326	114326-IN-NP	2603103410.1	3191/DEL/2005	1430733	IN	8-165-00		17-Mar-05	Method for exchanging packets of user data
115027	115027-EP-EPA		06300897.3	EP1895735	EP			28-Aug-06	METHOD OF CORRECTING GAIN AND PHASE IMBALANCE OF A MULTI-CARRIER TRANSMISSION SIGNAL, TRANSMITTER AND BASE STATION
120406	120406-EP-EPA		00400549.2	EP1130733	EP			29-Feb-00	METHOD AND DEVICE FOR DISTRIBUTING ELECTRIC POWER IN TELECOMMUNICATION CENTRAL OFFICE EQUIPMENT.
120896	120896-JP-NP		2004349412	2005184805	JP			2-Dec-04	METHOD FOR WAKING UP A SLEEPING DEVICE, A RELATED NETWORK ELEMENT AND A RELATED WAKING DEVICE
120930	120930-EP-EPA		04292071.0	EP1631015	EP			23-Aug-04	DETOUR LSP BANDWIDTH CONSTRAINT PASSING
131332 131332	131332-CN-NP 131332-US-NP		200810092384.9 12/107754	101296056 20080267281	CN US			24-Apr-08 22-Apr-08	A STRENGTHENED GFP FRAMER A STRENGTHENED GFP FRAMER
135010	135010-EP-EPT		99932142.5	EP1092334	EP			30-Jun-99	INTEGRATED ELEMENT MANAGER AND INTEGRATED MULTI-SERVICES ACCESS PLATFORM
137089	137089-EP-EPA		98304619.4	EP1092334 EP0887973	EP			11-Jun-98	Timing Reference For Scheduling Data Traffic On Multiple Ports
137728	137728-EP-EPA		05300048.5	EP1571554	EP			20-Jan-05	Redundant Memory Architecture With Defragmentation Capability
137783	137783-EP-EPA		04300217.9	EP1482692	EP			26-Apr-04	Switch Fabric Access Scheduler

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137850	137850-EP-EPA		05300220.0	EP1580943	EP			24-Mar-05	Full Mesh LSP and Full Mesh T-LDP Provisioning Between Provider Edge Routers In Support of Layer-2 and Layer-3 Virtual Private Network Services
									METHOD AND DEVICE FOR CONTROL AND COMPATIBLE DELIVERY OF DIGITALLY COMPRESSED VISUAL DATA IN A HETEROGENEOUS COMMUNICATION NETWORK **RECEVIED FROM
139228	139228-EP-EPA		00300597.2	EP1028593	EP US			27-Jan-00	PACKET VIDEO CORPORATION**  Core Network Interface For Packet Domain For UMA
139424 800153	139424-US-CNT[3] 800153-CN-DIV		14/934801	103944999	CN			6-Nov-15 17-Jun-08	UNC Applications Service peer as service provider for users in a peer-to peer network
			201410181962.1						Service peer as service provider for users in a peer-to
800153 800502	800153-CN-NP 800502-FR-NP	FR2916926	200810109781.2 0755281	101330518 2916926	CN FR	9-Oct-09		17-Jun-08 28-May-07	peer network Inter-systems Mobility in case of roaming
800832	800832-EP-EPA		08305341.3	EP2009841	EP			27-Jun-08	PuMMA : PrUning Mechanism in Multipoint Architectures
800836	800836-IN-NP		138/CHE/2007		IN			19-Jan-07	Fixed Line network broadcast calls via NGN network.
801065	801065-US-NP		12/147780	20090005025	US			27-Jun-08	ServerSequence application programming interface
801373	801373-IN-PCT		1418/DELNP/2010	1418/DELNP/2010	IN			2-Sep-08	Method For Establishing A Bidirectional Point-To- Point Connection
801489	801489-EP-EPT		08783910.6	EP2186311	EP			7-Aug-08	Methods For Using The ADSLs To Bridge The PSTN Traffic To The Internet
801489	801489-IN-PCT		628/CHENP/2010		IN			7-Aug-08	Methods For Using The ADSLs To Bridge The PSTN Traffic To The Internet
801489	801489-US-PCT		12672360	20110292928	US			7-Aug-08	Methods For Using The ADSLs To Bridge The PSTN Traffic To The Internet
801527	801527-EP-EPT		07816374.8	EP2181555	EP			19-Sep-07	Reliable EVDO VoIP to 3G1X Circuit Voice Handoff
801527	801527-IN-PCT		2021/CHENP/2010	2021/CHENP/2010	IN			19-Sep-07	Reliable EVDO VoIP to 3G1X Circuit Voice Handoff
801822	801822-CN-NP		200810189597.3	101482869	CN			8-Dec-08	Semantic Cookie
801822 801822	801822-IN-PCT 801822-KR-PCT		3248/CHENP/2010 1020107014930	3248/CHENP/2010	IN KR			4-Dec-08 4-Dec-08	Semantic Cookie Semantic Cookie
801822	801822-US-NP		12/329238	20090157665	US			5-Dec-08	Semantic Cookie FACILITATE AND ENRICH TOURISM EXPERIENCE WITH
801939 801997	801939-KR-PCT 801997-FR-NP		20107012856 0851733	2929031	KR FR			27-Nov-08 18-Mar-08	AUTOID SMART MATCHING
801997	801997-US-NP		12/404632	20090240570	US			16-Mar-09	SMART MATCHING  Method for Simultaneous access to Home and visited
802027	802027-CN-NP		200910203927.4	101562808	CN			17-Apr-09	networks services in roaming Method and apparatus to automatically send called
802103	802103-CN-PCT		200880125304.3	CN101953142A	CN			18-Mar-08	party available alert to calling party  Method and apparatus to automatically send called
802103	802103-EP-EPT		08714986.0	EP2264994	EP			18-Mar-08	party available alert to calling party  Method and apparatus to automatically send called
802103	802103-IN-PCT		5299/CHENP/2010		IN			18-Mar-08	party available alert to calling party
802103	802103-US-PCT		12/933116	20110021182	US			18-Mar-08	Method and apparatus to automatically send called party available alert to calling party enhanced RUA with RTSP facilities
802594	802594-CN-PCT		200880114953.3	101849400	CN			12-May-08	enhanced RUA with RTSP facilities
802594	802594-US-PCT		12/741775	20110007737	US			12-May-08	
802732	802732-EP-EPT		09722301.0	EP2258074	EP			20-Mar-09	Set pointer to a vCard about few videoconference
802732	802732-JP-PCT		2011500236	2011517174	JP			20-Mar-09	Set pointer to a vCard about few videoconference part
802732	802732-US-NP		12/408293	20090293002	US			20-Mar-09	Set pointer to a vCard about few videoconference part
802773	802773-CN-PCT		200880130173.8	CN102077543A	CN			29-Jul-08	Capability Sharing architecture and Implementation In IM or community Network
802773	802773-EN-FCT		08783577.3	EP2308214	EP				Capability Sharing architecture and Implementation
				EF2308214				29-Jul-08	In IM or community Network  Capability Sharing architecture and Implementation
802773	802773-IN-PCT		7929/CHENP/2010	ED2201220	IN			29-Jul-08	In IM or community Network
802778	802778-EP-EPT		08774446.2	EP2301220	EP			27-Jun-08	Capability Grabbing Peer Device Functionality in SIP  End to End overload Control for Diameter
802797	802797-CN-PCT		200880129218.X	CN102027725A	CN			15-May-08	Applications  End to End overload Control for Diameter
802797	802797-EP-EPT		08748501.7	EP2280520	EP			15-May-08	Applications  End to End overload Control for Diameter
802797	802797-IN-PCT		8086/CHENP/2010		IN			15-May-08	Applications  End to End overload Control for Diameter
802797	802797-US-PCT		12/990847	20110061061	US			15-May-08	Applications  Enhancements to SIP Forking for offering
802990	802990-JP-PCT		2011521647	2011530849	JP			8-Aug-08	new/improved user services Enhancements to SIP Forking for offering
802990	802990-US-PCT		13/057660	20110264824	US			8-Aug-08	new/improved user services  MANAGEMENT PLATFORM AND ASSOCIATED  METHOD FOR MANAGING SMART METERS
803049	803049-CN-NP		200910004250.1	101520863	CN			18-Feb-09	MANAGEMENT PLATFORM AND ASSOCIATED
803049	803049-IN-PCT		4377/CHENP/2010		IN			13-Feb-09	METHOD FOR MANAGING SMART METERS
803145	803145-IN-PCT		7163/CHENP/2010	7163/CHENP/2010	IN			14-May-09	Method And Device For Resource Management Recording Medium For Said Method
803193	803193-EP-EPA		08305150.8	EP2129178	EP			6-May-08	Method for allocating frequency subchannels on an air interface of a wireless communication system and corresponding radio resource allocation module

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002255	ACCOUNT ON AND		200010265720.6	101772104	CN			20 0 00	Single / Multiple Preparation triggered from
803365 803411	803365-CN-NP 803411-CN-PCT		200910265728.6 201080011671.8	101772104 CN102349265	CN CN			29-Dec-09 24-Feb-10	Admission Failure TR-069 IN SESSION TRANSACTION SUPPORT
803411	803411-EP-EPA		09305213.2	EP2228944	EP			9-Mar-09	TR-069 IN SESSION TRANSACTION SUPPORT
803411	803411-IN-PCT		5556/CHENP/2011		IN			24-Feb-10	TR-069 IN SESSION TRANSACTION SUPPORT
803411	803411-JP-PCD		201434051	2014139802	JP			25-Feb-14	TR-069 IN SESSION TRANSACTION SUPPORT
803628	803628-EP-EPA		09290073.7	EP2214261	EP			30-Jan-09	Beam Forming Antenna System On Flexible Plastic Foil
803772	803772-CN-NP		200910174910.0	CN101727317A	CN			29-Oct-09	Server based ¿drag and drop¿ between web 2.0
									widgets Server based ¿drag and drop¿ between web 2.0
803772	803772-IN-PCT		2903/CHENP/2011	2903/CHENP/2011	IN			30-Oct-09	widgets Server based ¿drag and drop¿ between web 2.0
803772	803772-JP-PCT		2011533745	2012507098	JP			30-Oct-09	widgets Handling Out-Of-Sequence Packets In A Circuit
804001	804001-US-CNT		13/672830	20130064248	US			8-Nov-12	Emulation Service
804144	804144-CN-PCT		200880122616.9	102067519	CN			21-Nov-08	Method and System for Remote Device Management
804144	804144-EP-EPT		08852347.7	EP2215777	EP			21-Nov-08	Method and System for Remote Device Management
									Service Management System and Method of
804144	804144-US-NP		12/276254	20090292664	US			21-Nov-08	Operation thereof IP Phone Dynamic Power Saving Hours linked to User
804194	804194-JP-PCT		2011549636	2012518307	JP			22-Jan-10	Presence in the Business Area  METHOD FOR SIGNALLING OF DATA TRANSMISSION
904704	BOADON HE BOT		13/319132	20120051227	HE			10 May 10	PATH PROPERTIES TO A NON-OAM OBSERVENT CLIENT
804204	804204-US-PCT		13/319132	20120051227	US			19-May-10	Interworking Between Ims/Sip And Pstn/Plmn To
									Exchange Dynamic Charging Information
804271	804271-IN-PCT		359/CHENP/2012	359/CHENP/2012	IN			24-Jul-09	
									Interworking Between Ims/Sip And Pstn/Pimn To Exchange Dynamic Charging Information
804271	804271-KR-PCT		20127004581		KR			24-Jul-09	
									Interworking Between Ims/Sip And Pstn/Plmn To Exchange Dynamic Charging Information
804271	804271-US-PCT		13/384717	20120250585	US			24-Jul-09	
804497	804497-BR-PCT		PI0924166-3		BR			17-Dec-09	Procedure to command UEs staying not in idle mode
804497	804497-CN-PCT		200980155299.5	102293025	CN			17-Dec-09	Procedure to command UEs staying not in idle mode
804497	804497-EP-EPA		09290046.3	EP2211571	EP			23-Jan-09	Procedure to command UEs staying not in idle mode
									· ·
804497	804497-IN-PCT		5278/CHENP/2011	5278/CHENP/2011	IN			17-Dec-09	Procedure to command UEs staying not in idle mode
804497	804497-US-PCT		13/145897	20110294532	US			17-Dec-09	Procedure to command UEs staying not in idle mode Method For Enhancing The Use Of Radio Resource,
804685	804685-CN-PCT		201080047721.8	102577588	CN			20-Oct-10	User Equipment And Network Infrastructure For Implementing The Method
001003	001005 01101		201000017721.0	102577500	5.1			20 00: 10	Method For Enhancing The Use Of Radio Resource,
804685	804685-US-PCT		13/503117	20120263045	US			20-Oct-10	User Equipment And Network Infrastructure For Implementing The Method
									System and Method for Automatically Quiting SMS-
804713	804713-CN-PCT		201080045915.4	102576472	CN			11-Oct-10	Based Parking
									System and Method for Automatically Quiting SMS- Based Parking
804713	804713-EP-EPA		09290789.8	EP2312537	EP			15-Oct-09	-
804713	804713-KR-PCT		20127012366		KR			11-Oct-10	System and Method for Automatically Quiting SMS- Based Parking
									System and Method for Automatically Quiting SMS- Based Parking
804713	804713-US-PCT		13/497077	20120184298	US			11-Oct-10	-
									Method For Directly Manipulating Incoming Interactions In An Instant Communication Client
804723	804723-US-PCT		13/513014	20130067374	US			26-Nov-10	Application Relaying Data Between A Base Station And User
804832	804832-JP-PCT		2012506371	2012525031	JP			13-Apr-10	Equipment Relaying Data Between A Base Station And User
804832	804832-US-PCT		13/265703	20120039242	US			13-Apr-10	Equipment
804910	804910-CN-PCT		201080050154.1	102598690	CN			23-Jul-10	Encryption Procedure And Device For An Audiovisual Data Stream
804910	804910-US-PCT		13/499747	20120250860	US			23-Jul-10	Encryption Procedure And Device For An Audiovisual Data Stream
804938	804938-CN-NP		200910054171.1	CN101938753A	CN			30-Jun-09	New Path Initialization Alignment Method to improve ITU-T standard Q.2630.1
									Method For Assisting In The Development Or Use Of
804984 805051	804984-US-PCT 805051-MY-PCT		13/260617 PI2011005628	20120047485	US MY			1-Apr-10 28-Apr-10	A Complex System  Compact Multi-Channel DQPSK Receiver
805064	805064-CN-PCT		201080056708.9	102656577	CN			30-Nov-10	Electronic Mail Server And Method For Automatically Generating Address Lists
805064	805064-IN-PCT		4690/CHENP/2012	4690/CHENP/2012	IN			30-Nov-10	Electronic Mail Server And Method For Automatically Generating Address Lists
805064	805064-KR-PCT		20127018106		KR			30-Nov-10	Electronic Mail Server And Method For Automatically Generating Address Lists
			13/379179	20120163484					Method And Processing Arrangement For Joint
805291	805291-US-PCT				US			26-Apr-10	Processing Of Uplink Data  Method and Apparatus for Notifying Account
805362	805362-IN-PCT		5953/CHENP/2012	5953/CHENP/2012	IN			8-Jan-10	Information of a Data-Type-Oriented User Equipment Method And Apparatus For Notifying Account
805362	805362-US-PCT		13/520497	20130031231	US			8-Jan-10	Information Of A Data-Type-Oriented User Equipment

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FAMILY	CASE REFERENCE	GHANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	HILE
805364	805364-US-PCT		13/377615	20120151303	US			9-Jun-10	Bit-wise interleaving based Multi-Protocol Encapsulation Inter-burst Forward Error Correction
805472	805472-EP-EPT		11731668.7		EP			4-Jan-11	METHOD AND DEVICE FOR PROVIDING COMMUNICATION TO USER EQUIPMENT
805472	805472-IN-PCT		1399/DELNP/2012	1399/DELNP/2012	IN			4-Jan-11	METHOD AND DEVICE FOR PROVIDING COMMUNICATION TO USER EQUIPMENT
									Optoelectronic Device For Differential Photoreception, With Automatic Compensation Of
805572	805572-CN-PCT		201180046380.7	103119866	CN			12-Jul-11	Phase And Amplitude Imbalances  Optoelectronic Device For Differential
805572	805572-JP-PCT		2013524391	2013535934	JP			12-Jul-11	Photoreception, With Automatic Compensation Of Phase And Amplitude Imbalances
805572	805572-MY-PCT		2013000434		MY			12-Jul-11	Optoelectronic Device For Differential Photoreception, With Automatic Compensation Of Phase And Amplitude Imbalances
603372	8033/2*WIT-PC1		2013000434		IVIT			12-501-11	Optoelectronic Device For Differential Photoreception, With Automatic Compensation Of Phase And Amplitude Imbalances
805572	805572-US-PCT		13/816616 200980159899.9	20130202316 CN102461216A	US CN			12-Jul-11	Associat Spansorship Charging
805653	805653-CN-PCT							30-Jun-09	Account Sponsorship Charging
805653 805653	805653-IN-PCT 805653-JP-PCT		8162/CHENP/2011 2012516475	8162/CHENP/2011 2012531133	JP			30-Jun-09 30-Jun-09	Account Sponsorship Charging Account Sponsorship Charging
805755	805755-CN-PCT		201080043939.6	CN102550004A	CN			15-Sep-10	Dynamic Load Balancing And Scaling Of Allocated Cloud Resources In An Enterprise Network
805755	805755-EP-EPT		10757679.5	EP2484096	EP			15-Sep-10	Dynamic Load Balancing And Scaling Of Allocated Cloud Resources In An Enterprise Network
805755	805755-IN-PCT		2838/CHENP/2012	2838/CHENP/2012	IN			15-Sep-10	Dynamic Load Balancing And Scaling Of Allocated Cloud Resources In An Enterprise Network
805755	805755-US-NP		12/571271	20110078303	US			30-Sep-09	Dynamic Load Balancing And Scaling Of Allocated Cloud Resources In An Enterprise Network Context Based Service Management and Execution
805785	805785-EP-EPA		09305794.1	EP2290902	EP			28-Aug-09	Architecture
805787 805823	805787-CN-PCT 805823-CN-PCT		201080060816.3 201080060569.7	102714795 102687466	CN			16-Dec-10 9-Dec-10	Managing SMS Spoofing Using SMPP Protocol Neighbor Discovery For Ethernet Private Line On Use Network Interfaces
805823	805823-JP-PCT		2012546407	JP2013516822	JP			9-Dec-10	Neighbor Discovery For Ethernet Private Line On Use Network Interfaces
805823	805823-US-PCT		13515993	20120269093	US			9-Dec-10	Neighbor Discovery For Ethernet Private Line On Use Network Interfaces
805909	805909-IN-PCT		5786/CHENP/2012	5786/CHENP/2012	IN			3-Jan-11	Orthogonal Multiple Description Coding
805909 805912	805909-US-NP 805912-MY-PCT		12/652390 PI2012002354	20110164672	US MY			5-Jan-10 16-Dec-10	Orthogonal Multiple Description Coding Vertical Coupler On InP Wafer
805972	805972-FR-NP	FR2951602	0957386	2951602	FR	11-May-12		21-Oct-09	SMTP Extension - Integrating communication hyperlinks protocol into SMTP
806006	806006-CN-PCT		201180007908.X	CN102783128A	CN			13-Jan-11	Using Social Networks Sites To Control Busy/No Answer Call Coverage
806006	806006-IN-PCT		6750/CHENP/2012	6750/CHENP/2012	IN			13-Jan-11	Using Social Networks Sites To Control Busy/No Answer Call Coverage
806006	806006-US-NP		12/697337	20110188492	US			1-Feb-10	Reponding To Call Control Events Using Social Network Applications Neighbor Orthogonal Training Pilots For Multi-Cell
806057	806057-BR-PCT		PI12007151-3	PI12007151-3	BR			17-Sep-10	Communication Systems
806092 806092	806092-CN-PCT 806092-EP-EPT		201180032445.2 11726608.0	CN102985923A EP2585948	CN EP			9-Jun-11 9-Jun-11	High-Dimensional Stratified Sampling Hig-Dimensional Stratified Sampling
806092	806092-IN-PCT		787/DELNP/2013	787/DELNP/2013	IN			9-Jun-11	Hig-Dimensional Stratified Sampling
806135 806135	806135-CN-PCT 806135-EP-EPA		201080057062.6 09290942.3	102656928 EP2337408	CN EP			15-Dec-10 15-Dec-09	Small cell UL interference management Small cell UL interference management
806135	806135-IN-PCT		4275/DELNP/2012		IN			15-Dec-10	Small cell UL interference management
806135 806288	806135-US-PCT 806288-US-NP		13/516076 13/252251	20130102302 20130083997	US US			15-Dec-10 4-Oct-11	Small cell UL interference management Temporally Structured Light
806347	806347-CN-PCT		201180024282.3	102959567	CN			2-May-11	System For Processing Data Relating To Buildings
806347	806347-KR-PCT		20127029938		KR			2-May-11	System For Processing Data Relating To Buildings
806347 806369	806347-US-PCT 806369-CN-PCT		13/695848 201180011964.0	20130110902 CN102783067A	US CN			2-May-11 11-Feb-11	System For Processing Data Relating To Buildings Element Of A Wavelength Division Multiplexing Optical Network
806396	806396-KR-PCT		2012-7029775	- TIGETOSOUTA	KR			11-Feb-11 11-Apr-11	Mobile Advertising - Inventory Aggregation and Management
806396	806396-US-PCT		13/640651	20130085856	US			11-Apr-11	Mobile Advertising - Inventory Aggregation and Management
806421	806421-CN-PCT		201080067767.6	CN102972001A	CN			10-Sep-10	Control Options During Information Recording Sessions
806421	806421-EP-EPT		10750141.3	EP2589194	EP			10-Sep-10	Control Options During Information Recording Sessions
806421	806421-IN-NP		1886/CHE/2010		IN			2-Jul-10	Control Options During Information Recording Sessions
				20130174206					Control Options During Information Recording Sessions
806421	806421-US-PCT	1	13/701878	∠U13U1/42U6	US	<u> </u>	<u> </u>	10-Sep-10	I .

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806422	806422-CN-PCT		201080068073.4	103004230	CN			14-Sep-10	Sessions
806422	806422-IN-NP		2037/CHE/2010		IN			16-Jul-10	Control Capabilities For Information Recording Sessions
									Control Capabilities For Information Recording Sessions
806422	806422-JP-PCD		201518165		JP			14-Sep-10	Control Capabilities For Information Recording Sessions
806422	806422-JP-PCT		2013518962		JP			14-Sep-10	Control Capabilities For Information Recording
806422	806422-US-PCT		13/806887	20130170404	US			14-Sep-10	System And Method For Dynamically Adjusting
806441	806441-CN-PCT		201180016531.4	CN102845032A	CN			23-Mar-11	Quality Of Service Configuration Based On Real-Time Traffic System And Method For Dynamically Adjusting
806441	806441-EP-EPT		11711429.8	EP2553887	EP			23-Mar-11	Quality Of Service Configuration Based On Real-Time Traffic
806441	806441-US-NP		12/751626	20110242978	US			31-Mar-10	System And Method For Dynamically Adjusting Quality Of Service Configuration Based On Real-Time Traffic
									Method And Appartus For Detecting A Misaligned
806554 806554	806554-CN-PCT 806554-EP-EPT		201180014619.2 11706394.1	CN102835100A EP2548366	CN EP			15-Feb-11 15-Feb-11	Page Method And Appartus For Detecting A Misaligned Page
806639	806639-US-PCT		13/637785	20130287410	US			14-Apr-11	Phase Skew Compensation At A Coherent Optical Receiver
806680 806801	806680-US-PCT 806801-CN-PCT		13/702378 201180016962.0	20130125111 CN102859406A	US CN			21-Jun-11 22-Mar-11	Automated installation and activation of software o CPEs by using RF-id Optical Grating Coupler
									Optical Grating Coupler With Adjacent Low-Index
806801 806875	806801-US-NP		12/756166 201280008536.7	20110249938 CN103370969A	US			7-Apr-10	Cavity To Increase Coupling Efficiency Power-Aware Task Management for Mobile Terminals
806875	806875-CN-PCT		201280008556./	CN103370969A	CN			31-Jan-12	
806875	806875-US-NP		13/024682	20120210150	US			10-Feb-11	Method And Apparatus Of Smart Power Management For Mobile Communication Terminals System And Method For Integrating Near Field
806961	806961-US-NP		12/828203	20120004972	US			30-Jun-10	Communication Devices With Legacy Customer Loyalty Services
806970	806970-CN-PCT		201180014486.9	102812646	CN			7-Mar-11	Feedback For Multi-User Mimo Systems Feedback For Multi-User Mimo Systems
806970	806970-US-PCT		13/637736	20130022021	US			7-Mar-11	
807000	807000-BR-PCT		112012022758.0		BR			14-Feb-11	Methods For Reducing Interference In Communication Systems
807000	807000-CN-PCT		201180013114.4	CN102792607A	CN			14-Feb-11	Methods For Reducing Interference In Communication Systems
807000	807000-EP-EPT		11706678.7	EP2545659	EP			14-Feb-11	Methods For Reducing Interference In  Communication Systems
807000	807000-IN-PCT		7665/CHENP/2012	7665/CHENP/2012	IN			14-Feb-11	Methods For Reducing Interference In Communication Systems Methods For Reducing Interference In
807000	807000-JP-PCT		2012557057	2013522960	JP			14-Feb-11	Communication Systems
807091	807091-IN-PCT		380/DELNP/2013		IN			7-Jul-11	Automatic Memory Zeroing In Processor Caches
807091	807091-US-PCT		13/810282	20130124821	US			7-Jul-11	Automatic Memory Zeroing In Processor Caches
807169	807169-CN-PCT		201180065474.9	CN103370932A	CN			13-Dec-11	A method, a system, a server, a client, a computer program and a computer program product for determining a user guide in a computer network
									A method, a system, a server, a client, a computer program and a computer program product for determining a user guide in a computer network
807169	807169-EP-EPA		11290039.4	EP2482548	EP			21-Jan-11	
807169	807169-IN-PCT		5851/DELNP/2013		IN			13-Dec-11	A method, a system, a server, a client, a computer program and a computer program product for determining a user guide in a computer network
807169	807169-JP-PCT		2013549741	2014510326	JP			13-Dec-11	A method, a system, a server, a client, a computer program and a computer program product for determining a user guide in a computer network
									A method, a system, a server, a client, a computer program and a computer program product for determining a user guide in a computer network
807169 807249	807169-US-PCT 807249-CN-PCT		13/979966 201180035993.0	20130297684 103026727	US CN			13-Dec-11 25-Jul-11	Enhanced Manifest for HAS Streaming
807249	807249-EP-EPA		10305816.0	EP2410743	EP			23-Jul-10	Enhanced Manifest for HAS Streaming
807249 807249	807249-JP-PCT 807249-US-PCT		2013-520167 13/811470	2013535892 20130185759	JP US			25-Jul-11 25-Jul-11	Enhanced Manifest for HAS Streaming Enhanced Manifest for HAS Streaming
807317	807317-CN-PCT		201180045106.8	103119872	CN			15-Sep-11	Method For Correcting A Delay Asymmetry
807317	807317-US-PCT		13/819363	20130209096	US			15-Sep-11	Method For Correcting A Delay Asymmetry
807327	807327-US-PCT		13/818354	20130252570	US			22-Aug-11	Urgent Call Management System  A Method and a Tool for Smart Opening/Saving of
807332	807332-CN-PCT		201180032717.9	102971731	CN			2-May-11	Documents in Operating Systems with Folders Semantic Indexing A Method and a Tool for Smart Opening/Saving of
807332	807332-IN-PCT		10896/CHENP/201 2		IN			2-May-11	Documents in Operating Systems with Folders Semantic Indexing

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AMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY		EXPURATION DATE	APPLICATION DATE	TITLE
807332	807332-US-PCT	İ	13/805440	20130159361	US			2-May-11	Access To A File System With Semantic Indexing
807366	807366-JP-PCT		2014556620	2015510356	JP			6-Feb-13	Lensless Compressive Image Acquisition
807366	807366-US-NP		13/367413	20130201297	US			7-Feb-12	Lensless Compressive Image Acquisition
									Enabling A Distributed Policy Architecture With
807498	807498-CN-PCT		201180039075.5	CN103168486A	CN			1-Aug-11	Extended Son (Extended Self Organizing Networks)
									Facilities & District And Bullion Assistance with
807498	807498-US-NP		12/854405	20120039175	US			11-Aug-10	Enabling A Distributed Policy Architecture With Extended SON (Extended Self Organizing Networks)
00/450	807498-03-INF		12/634403	20120039173	03			11-Aug-10	A Monolithic Integrated Structure Comprising A
									Buried Heterostructure Semiconductor Optical
									Amplifier And A Photodetector
807519	807519-MY-PCT		2013001105		MY			27-Sep-11	
									A Monolithic Integrated Structure Comprising A
									Buried Heterostructure Semiconductor Optical
									Amplifier And A Photodetector
007540	007540 00 007		204200000						
807519	807519-SG-PCT		2013022223		SG			27-Sep-11	A Manualithia Integrated Structure Communicing A
									A Monolithic Integrated Structure Comprising A Buried Heterostructure Semiconductor Optical
									Amplifier And A Photodetector
807519	807519-TW-NP		100134992		TW			28-Sep-11	
807659	807659-CN-PCT		201180064012.5	CN103314300A	CN			22-Dec-11	Airspeed Measurement For Jets, Cars And Trucks
807659	807659-KR-PCT		20137017361		KR			22-Dec-11	Airspeed Measurement For Jets, Cars And Trucks
807659	807659-US-NP		12/983402	20120173191	US			3-Jan-11	Airspeed and Velocity of Air Measurement
		I		1		1	1		Method And System For Client Recovery Strategy In
807660	807660-CN-PCT	I	201180055353.6	CN103370903A	CN	1		10-Nov-11	Redundant Server Configuration
807000	807000-014-7-01		201180033333.0	CN103370303A	CIV			10-1404-11	Method And System For Client Recovery Strategy In
		I		1		1	1		Redundant Server Configuration
807660	807660-IN-PCT	I	3799/DELNP/2013		IN	1		10-Nov-11	
									Method And System For Client Recovery Strategy In
									Redundant Server Configuration
807660	807660-JP-PCT		2013539907	2013544408	JP			10-Nov-11	
									Method And System For Client Recovery Strategy In.
									Redundant Server Configuration
807660	807660-KR-PCD		20157016641		KR			10-Nov-11	
									Method And System For Client Recovery Strategy In
807660	807660-KR-PCT		20137015360		KR			10-Nov-11	Redundant Server Configuration
807000	BU/UUU-KK-FCI		2013/013300		KN			10-1404-11	Method And System For Client Recovery Strategy In.
									Redundant Server Configuration
807660	807660-US-NP		12/948493	20120124431	US			17-Nov-10	
									Method Of Determining Access Times For Wireless
807721	807721-CN-PCT		201180029761.4	CN103053215A	CN			13-Jun-11	Communication Devices
									Method Of Determining Access Times For Wireless
									Communication Devices
807721	807721-US-NP		12/817501	20110310854	US			17-Jun-10	
007022	867833 PR DCT		1120120225220	1120120225220	DD.			15 10 - 11	Method Of Uplink Control Channel Allocation For A
807823	807823-BR-PCT		1120120325230	1120120325230	BR			15-Jun-11	Relay Backhaul Link Method Of Uplink Control Channel Allocation For A
807823	807823-CN-PCT		201180030565.9	CN103109472A	CN			15-Jun-11	Relay Backhaul Link
031025			10427/CHENP/201	10427/CHENP/201				2070.122	Method Of Uplink Control Channel Allocation For A
807823	807823-IN-PCT		2	2	IN			15-Jun-11	Relay Backhaul Link
									Method Of Uplink Control Channel Allocation For A
807823	807823-JP-PCT		2013516611	2013533690	JP			15-Jun-11	Relay Backhaul Link
									Data Objects Required to do SW/HW Installation
807842	807842-CN-PCT		201180032727.2	102972006	CN			21-Jun-11	Using RF-ids and TR-069
007043	907943 IN PCT	I	220/01/52/0/52	220/60500/222		1	1	22.1	Data Objects Required to do SW/HW Installation
807842	807842-IN-PCT	<b> </b>	330/CHENP/2013	33U/CHENP/2013	IN	-		21-Jun-11	Using RF-ids and TR-069
807842	807842-JP-PCT	I	2013-517165		JP	1		21-Jun-11	Data Objects Required to do SW/HW Installation Using RF-ids and TR-069
807846	807846-CN-PCT	<b>†</b>	201380022214.2	CN104396269A	CN			9-Apr-13	Dynamic Interstitial Transitions
807846	807846-JP-PCT	1	2015509000	2015521402	JP			9-Apr-13	Dynamic Interstitial Transitions
807846	807846-KR-PCT		20147029788		KR			9-Apr-13	Dynamic Interstitial Transitions
807846	807846-US-NP		13/458523	20130290514	US			27-Apr-12	Dynamic Interstital Transitions
									Conformal Antenna Array
807877	807877-BR-PCT		112013017408-0	112013017408-0	BR			19-Dec-11	<u></u>
007077	907977 CN PCT	I	201100051222	CN103450555	CN.	1		10.0	Conformal Antenna Array
807877	807877-CN-PCT	-	201180064226.2	CN103460508A	CN	-		19-Dec-11	Conformal Automa Army
807877	807877-IN-PCT	I	5127/CHENP/2013	5127/CHEND/2012	IN	1	1	19-Dec-11	Conformal Antenna Array
00/0//	00/0//-HN-FCI	<b> </b>	5147/CHENY/2013	SIZI/ CHENY/ZUIS	IIN			13-060-11	Conformal Antenna Array
807877	807877-JP-PCD	I	201539925	2015111940	JP	1		19-Dec-11	Some Principal Principal
	1	1						1	Conformal Antenna Array
807877	807877-JP-PCT	<u> </u>	2013548415	2014503149	JP	<u> </u>	<u></u>	19-Dec-11	<u> </u>
									Conformal Antenna Array
807877	807877-KR-PCD		20157016652		KR			19-Dec-11	
									Conformal Antenna Array
807877	807877-KR-PCT		20137020429	20130107364	KR			19-Dec-11	
807057	BOSDES IN DES	I	1170/05:35 (	1170/05/105/		1	1	20.1.1.1	Peer-To-Peer Traffic Localization For Content In A
807967	807967-IN-PCT	<del>                                     </del>	1120/DELNP/2013	1120/DELNP/2013	IN	-		28-Jul-11	Distributed Hash Table
	909234-CN-PCT	I	2011900479222	CN1021409004	CM	1		22-San 11	Voice Signature Solutions Architecture And Business Model
909334	808234-CN-PCT	-	201180047832.3	CN103140890A	CN			22-Sep-11	
808234	808234-JP-PCT	I	2013531663	2014500991	JP	1	1	22-Sep-11	Voice Signature Solutions Architecture And Busines Model
		<del> </del>	201180067966.1	CN103477323A	CN			19-Dec-11	Seamless Scaling Of Enterprise Applications
808234				5.110371/JZJA	IN	<del>                                     </del>		19-Dec-11	Seamless Scaling Of Enterprise Applications  Seamless Scaling Of Enterprise Applications
808234 808261	808261-CN-PCT		5850/DELNP/2013						
808234 808261 808261	808261-CN-PCT 808261-IN-PCT		5850/DELNP/2013 2013548414	2014501994					
808234 808261	808261-CN-PCT		5850/DELNP/2013 2013548414 20137020046	2014501994	JP KR			19-Dec-11 19-Dec-11	Seamless Scaling Of Enterprise Applications
808234 808261 808261 808261	808261-CN-PCT 808261-IN-PCT 808261-JP-PCT		2013548414	2014501994	JP			19-Dec-11	
808234 808261 808261 808261 808261	808261-CN-PCT 808261-IN-PCT 808261-JP-PCT 808261-KR-PCT		2013548414 20137020046		JP KR			19-Dec-11 19-Dec-11	Seamless Scaling Of Enterprise Applications Seamless Scaling Of Enterprise Applications Seamless Scaling Of Enterprise Applications
808234 808261 808261 808261 808261	808261-CN-PCT 808261-IN-PCT 808261-JP-PCT 808261-KR-PCT		2013548414 20137020046 12/984938		JP KR			19-Dec-11 19-Dec-11	Seamless Scaling Of Enterprise Applications Seamless Scaling Of Enterprise Applications

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	CASE	GRANT	APPLICATION	PUBLICATION		ISSUE		APPLICATION	
FAMILY	REFERENCE	NUMBER	NUMBER	NUMBER	COUNTRY	DAIE	DATE	DATE	TETES  A Home Network Physical Layer Configuration
808546	808546-CN-PCT		201280007086.X	103339902	CN			19-Jan-12	Platform And Method
808546	808546-EP-EPA		11290062.6	EP2485435	EP			31-Jan-11	Dynamic Management Of Home Networking Devices A Home Network Physical Layer Configuration
									Platform And Method
808546	808546-IN-PCT		5476/CHENP/2013		IN			19-Jan-12	A Home Network Physical Layer Configuration
000545	DODE AS ID DOT		2042550024	2044507004				40.1 40	Platform And Method
808546	808546-JP-PCT		2013550834	2014507891	JP			19-Jan-12	A Home Network Physical Layer Configuration
000546	808546-US-PCT		12/070005	20120270260	l lie			10 1 13	Platform And Method
808546 808556	808556-CN-PCT		13/978006 201280012822.0	20130279369 CN103430064A	US CN			19-Jan-12 23-Feb-12	Monolithic Photonic Integrated Circuit
808556 808556	808556-JP-PCT 808556-KR-PCT		2013558021 20137024046	2014514596	JP KR			23-Feb-12 23-Feb-12	Monolithic Photonic Integrated Circuit
808556	808556-MY-PCT		PI2013003156		MY			23-Feb-12	Monolithic Photonic Integrated Circuit  Monolithic Photonic Integrated Circuit
808572	808572-JP-PCT		2013543218	2014503893	JP			1 Dos 11	Content Collaboration Among Heterogeneous
808372	808372-JF-PC1		2015343218		Jr.			1-Dec-11	Distributed Mediums Content Collaboration Among Heterogeneous
808572	808572-US-NP		12/961833	20120143695	US			7-Dec-10	Distributed Mediums  Method And Apparatus To Derive System Timing at a
808743	808743-CN-PCT		201180062563.8	CN103283287A	CN			7-Dec-11	Wireless Base Station
808743	808743-EP-EPT		11813374.3	EP2656669	EP			7-Dec-11	Method And Apparatus To Derive System Timing at a Wireless Base Station
									Method And Apparatus To Derive System Timing at a
808743	808743-IN-NP		3940/CHE/2010		IN			23-Dec-10	Wireless Base Station  Method And Apparatus To Derive System Timing at a
808743	808743-JP-PCT		2013545526	2014500691	JP			7-Dec-11	Wireless Base Station
808743	808743-US-PCT		13/995791	20140092894	US			7-Dec-11	Method And Apparatus To Derive System Timing at a Wireless Base Station
808761	808761-CN-PCT		201180068343.6		CN			25-Nov-11	System And Method For Selecting An Optical Path In
808761	808761-CN-PCI		201180068343.6		CN			23-NOV-11	An Optical Network System And Method For Selecting An Optical Path In
808761	808761-US-PCT		13/978674	20140334815	US			25-Nov-11	An Optical Network  Detection of loss or malfunctions in electrical
									distribution networks
808788	808788-US-PCT		13/817201	20130191051	US			2-Aug-11	Notification of too many "No answer" of Forwarded
808870	808870-CN-PCT		2011800719071	103650450	CN			6-Sep-11	to Number
808870	808870-IN-NP		2150/CHE/2011		IN			27-Jun-11	Notification of too many "No answer" of Forwarded to Number
									Notification of too many "No answer" of Forwarded
808870	808870-JP-PCT		2014517480	2014524187	JP			6-Sep-11	to Number Notification of too many "No answer" of Forwarded
808870	808870-KR-PCT		20137034802		KR			6-Sep-11	to Number
808870	808870-US-PCT		14/128216	20140254584	US			6-Sep-11	Notification of too many "No answer" of Forwarded to Number
000017	ROBDAT CN DCT		201280062285.2	CN1040115854	CN			10 Nov. 12	Method And Apparatus For Energy Efficient
808917	808917-CN-PCT		201280063285.2	CN104011686A	CN			19-Nov-12	Distributed And Elastic Load Balancing Method And Apparatus For Energy Efficient
808917	808917-KR-PCT		20147017088		KR			19-Nov-12	Distributed And Elastic Load Balancing
									A method for transmission of reference signals, a
808922	808922-BR-PCT		1120130316845		BR			25-May-12	base station and a user terminal therefor
									A method for transmission of reference signals, a
808922	808922-CN-PCT		2012800279729	CN103609174A	CN			25-May-12	base station and a user terminal therefor
808922	808922-IN-PCT		8826/CHENP/2013		IN			25-May-12	A method for transmission of reference signals, a
808322	808922-IN-PCI		8826/ CHENP/2013		IIN			23-Way-12	base station and a user terminal therefor
808922	808922-KR-PCT		10-2013-7032242		KR				A method for transmission of reference signals, a
808322	808322-KK-FCI		10-2013-7032242		KK			23-Way-12	base station and a user terminal therefor
808922	808922-US-PCT		14/124823	20140119311	US			25-May-12	A method for transmission of reference signals, a base station and a user terminal therefor
555522			, == /0=3		55			:may*12	Efficient And Robust Feedback Of Channel State
									Information in Multi-Cellular Multi-User Multi- Antenna Multi-Carrier Downlink Communication
809091	809091-EP-EPA		11305647.7	EP2528290	EP			27-May-11	Systems
809109	809109-JP-PCT		2014513964	2014525153	JP			2-May-12	Wireless Data Card
809109 809109	809109-KR-PCT 809109-TW-NP	1	20147000299 101116649		KR TW		<del>                                     </del>	2-May-12 10-May-12	Wireless Data Card Wireless Data Card
809109	809109-US-PCT		14/122007	20140128027	US			2-May-12	Wireless Data Card
809132	809132-CN-PCT	1	201280025817.3	103688551A	CN		1	24-Apr-12	Method For Authorising
809132	809132-IN-PCT		9782/DELNP/2013	9782/DELNP/2013	IN			24-Apr-12	Method For Authorising
								· ·	Method For Authorising
809132 809132	809132-JP-PCT 809132-KR-PCT		2014513093 20137034975	2014523664	JP KR			24-Apr-12 24-Apr-12	Method For Authorising
								· ·	Method For Authorising
809132	809132-US-PCT		14/122738	20140250446	US			24-Apr-12	
									Method And Apparatus For Determining Uplink Noise
809271	809271-KR-PCD		20157037225		KR			10-Apr-12	Power In A Wireless Communication System
000374	800374 KD DCT		20127026782	20140002000	KD.			10.4 12	Method And Apparatus For Determining Uplink Noise
809271	809271-KR-PCT		20137026783	20140002000	KR			10-Apr-12	Power In A Wireless Communication System  Method Of Scheduling And Admission Control For
900211	809311-CN-PCT		201290019222 0	CN103493568A	CN			10.4** 13	Guaranteed Bit Rate And/Or Maximum Bit Rate Services
809311 809375	809375-CN-PCT		201280018322.8 201280012965.1	CN103493568A CN103563492A	CN			10-Apr-12 12-Mar-12	Printed Circuit Board and Diplexer Circuit
809408	809408-JP-PCT		2015531560	2015530053	JP			12-Sep-13	Visualization of an optical signal through linear optical sampling
									Polarization multiplexed, time-shifted double linear
809408	809408-TW-NP		102133397	201424285	TW			14-Sep-13	sampling based vector signal analyzer Visualization of an optical signal through linear
	809408-US-PCT	i	14/427570	20150249505	US	I	1	12-Sep-13	optical sampling

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	CASE REFERENCE	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION: DATE	TITLE TRANSMISSION METHOD AND MOBILE STATION TO
809494	809494-BR-PCT		112013025960.4	112013025960.4	BR			28-Mar-12	CARRY OUT THE METHOD
809494	809494-CN-PCT		201280016494.1	CN103460757A	CN			28-Mar-12	TRANSMISSION METHOD AND MOBILE STATION TO CARRY OUT THE METHOD
									TRANSMISSION METHOD AND MOBILE STATION TO
809494	809494-IN-PCT		8818/CHENP/2013	8818/CHENP/2013	IN			28-Mar-12	CARRY OUT THE METHOD TRANSMISSION METHOD AND MOBILE STATION TO
809494	809494-KR-PCT		20137029376		KR			28-Mar-12	CARRY OUT THE METHOD TRANSMISSION METHOD AND MOBILE STATION TO
809494	809494-TW-NP		101111721		TW			2-Apr-12	CARRY OUT THE METHOD
809494	809494-US-PCT		14/110568	20140031046	US			28-Mar-12	TRANSMISSION METHOD AND MOBILE STATION TO CARRY OUT THE METHOD
809544	809544-CN-PCT		2012800220890	CN103518419A	CN			8-May-12	A Mobility Concept
809544 809544	809544-EP-EPA 809544-US-PCT		11305703.8 14/124387	EP2533599 20140128068	EP US			7-Jun-11 8-May-12	A Mobility Concept A Mobility Concept
								,	Apparatus and Method for Scheduling a Mobile
809623	809623-CN-PCT		2012800406847	CN103748946	CN			17-Jul-12	Terminal  Apparatus and Method for Scheduling a Mobile
809623	809623-US-PCT		14/240101	20140213274	US			17-Jul-12	Terminal
809626	809626-JP-PCT		2014534990	2015504191	JP			21-Sep-12	Emission Reporting And Monitoring
809626	809626-KR-PCT		20147011997		KR			21-Sep-12	Emission Reporting And Monitoring
809626	809626-US-PCT		14/351668	20140315528	US			21-Sep-12	Emission Reporting And Monitoring
									Electronic Transactions with Mobile Communications
809692	809692-CN-PCT		201180070937.0	CN103548289A	CN			17-May-11	Devices via Encoded Acoustic Signals
			201380007365.0	CN104081887A					A Board-Level Heat Transfer Apparatus For
809713	809713-CN-PCT				CN			28-Jan-13	Communication Platforms A Board-Level Heat Transfer Apparatus For
809713	809713-IN-PCT		5679/DELNP/2014	5679/DELNP/2014	IN			28-Jan-13	Communication Platforms  A Board-Level Heat Transfer Apparatus For
809713	809713-JP-PCT		2014555606	2015508919	JP			28-Jan-13	Communication Platforms
809713	809713-KR-PCT		20147021207		KR			28-Jan-13	A Board-Level Heat Transfer Apparatus For Communication Platforms
809730	809730-KR-PCT		20147001609		KR			20-Jun-12	Support Of IP Connections Over Trusted Non-3GPP Access
									Support Of IP Connections Over Trusted Non-3GPP
809730	809730-US-PCT		14/127585	20140269551	US			20-Jun-12	Access
809872	809872-CN-PCT		201280047529.8	CN103875203A	CN			7-Sep-12	Transmitter And Method For Optical Transmission
809872	809872-JP-PCT		2014533552	2014532198	JP			7-Sep-12	Transmitter And Method For Optical Transmission
809872	809872-KR-PCT		20147008150		KR			7-Sep-12	Transmitter And Method For Optical Transmission
809872	809872-MY-PCT		PI2014000715	PI2014000715	MY			7-Sep-12	Transmitter And Method For Optical Transmission
809872	809872-SG-PCT		11201400777U	11201400777U	SG			7-Sep-12	Transmitter And Method For Optical Transmission
809872	809872-TW-NP		101135001	201320646	TW			24-Sep-12	Transmitter And Method For Optical Transmission
809872	809872-US-NP		13/247760	20130077976	US			28-Sep-11	Transmitter And Method For Optical Transmission
809882	809882-CN-PCT		201280040639.1	CN103891239A	CN			21-Aug-12	Determining Validity Of SIP Messages Without Parsing
809882	809882-US-NP		13/217682	20130054816	US			25-Aug-11	Determining Validity Of SIP Messages Without Parsing
									Network-Assisted Peer-To-Peer Secure Communication Establishment
810053	810053-EP-EPT		12784811.7	EP2772039	EP			22-Oct-12	
									Network-Assisted Peer-To-Peer Secure Communication Establishment
810053	810053-JP-PCT		2014538861	2015503261	JP			22-Oct-12	Network-Assisted Peer-To-Peer Secure
810053	810053-KR-PCT		20147011226		KR			22-Oct-12	Communication Establishment
									Network-Assisted Peer-To-Peer Secure Communication Establishment
810053	810053-US-NP		13/283133	20130110920	US			27-Oct-11	Communication Establishment
									Method And System For Reducing Mac-Is Reset
810098	810098-CN-PCT		201280038157.2	CN103828283A	CN			13-Jul-12	Ambiguity For Common E-DCH Transmissions Sharing Up-Link Resources In Universal Mobile
810122	810122-BR-PCT		1120140032360		BR			4-Jul-12	Telecommunications System
5.5722					JI.			7 301-12	Sharing Up-Link Resources In Universal Mobile
810122	810122-CN-PCT		2012800465370	103828460	CN			4-Jul-12	Telecommunications System
									Sharing Up-Link Resources In Universal Mobile Telecommunications System
810122	810122-KR-PCT		20147006430	20140054220	KR			4-Jul-12	Sharing Up-Link Resources In Universal Mobile
810122	810122-US-PCT		14/238420	20140355573	US			4-Jul-12	Telecommunications System
									METHOD FOR GESTURE CONTROL, GESTURE SERVER DEVICE AND
810129	810129-CN-PCT		201280060048.0	CN103999506	CN			26-Nov-12	SENSOR INPUT DEVICE
810129	810129-EP-EPA		11290560.9	EP2602691	EP			5-Dec-11	Method For Gesture Control, Gesture Server Device And Sensor Input Device
									METHOD FOR GESTURE CONTROL, GESTURE SERVER DEVICE AND
810129	810129-KR-PCT		20147018527	20140105812	KR			26-Nov-12	SENSOR INPUT DEVICE METHOD FOR GESTURE CONTROL, GESTURE SERVER
810129	810129-US-PCT		14/357324	20140320274	US			26-Nov-12	DEVICE AND SENSOR INPUT DEVICE

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FAMILY	CASE REFERENCE	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	HILE
									Methods And Apparatus For Providing Transfer Of A
									Heat Load Between A Heat Source And A Heat Receiver
810263	810263-US-PCT		14/389888	20150075752	US			15-Apr-13	Creation Of Statistical Dynamic Flows Using Data And
810267	810267-CN-PCT		201280039073.0	CN103875014A	CN			17-Jul-12	Content Aggregation
810382	810382-JP-PCT		2015-502255	2015514363	JP			25-Mar-13	Home Network Identification Method and Device
810791	810791-CN-PCT		201280044717.5	CN103907294A	CN			12-Sep-12	Communication Through Phase-Conjugated Optical Variants
810791	810791-EP-EPT		12762504.4	EP2756616	EP			12-Sep-12	Communication Through Phase-Conjugated Optical Variants
810791	810791-JP-PCT		2014530750	2014527378	JP			12-Sep-12	Communication Through Phase-Conjugated Optical Variants
810791	810791-KR-PCT		20147009247		KR			12-Sep-12	Communication Through Phase-Conjugated Optical Variants
810791	810791-US-CIP		13/411462	20130070786	US			2-Mar-12	Communication Through Phase-Conjugated Optical Variants
									Optimization Mechanisms For Latency Reduction And Elasticity Improvement In Geographically Distributed
810815	810815-CN-PCT		201280060122.9	CN103988179A	CN			19-Nov-12	Datacenters Optimization Mechanisms For Latency Reduction And
810815	810815-JP-PCT		2014545922	2015501991	JP			19-Nov-12	Elasticity Improvement In Geographically Distributed Datacenters
33333									Optimization Mechanisms For Latency Reduction And Elasticity Improvement In Geographically Distributed
810815	810815-KR-PCT		20147015281		KR			19-Nov-12	Datacenters  Optimization Mechanisms For Latency Reduction And
910915	810815-US-NP		13/313730	20130151688	US			7-Dec-11	Elasticity Improvement In Geographically Distributed Datacenters
810815	010013-03-INF		13/313/30	20130131688	US			7-Dec-11	
									A Femtocell Base Station, A User Terminal, A Method Of Sending Femtocell Base Station Status Information
810829	810829-CN-PCT		2013800111065	CN104137620A	CN			11-Jan-13	To A User Terminal, And A Method Of Receiving
									A Femtocell Base Station, A User Terminal, A Method
									Of Sending Femtocell Base Station Status Information To A User Terminal, And A Method Of Receiving
810829	810829-IN-PCT		6339/CHENP/2014	6339/CHENP/2014	IN			11-Jan-13	
									A Femtocell Base Station, A User Terminal, A Method Of Sending Femtocell Base Station Status Information
810829	810829-JP-PCT		2014559116		JP			11-Jan-13	To A User Terminal, And A Method Of Receiving
									A Femtocell Base Station, A User Terminal, A Method
									Of Sending Femtocell Base Station Status Information To A User Terminal, And A Method Of Receiving
810829	810829-KR-PCT		20147023562		KR			11-Jan-13	TO A OSET TETTITIBIT, A NO A MEGNOU OF RECEIVING
									A Femtocell Base Station, A User Terminal, A Method Of Sending Femtocell Base Station Status Information
910920	810829-US-PCT		14/381322	20150024795	US			11 lan 12	To A User Terminal, And A Method Of Receiving
810829 810893	810829-05-PC1 810893-IN-NP		2334/DEL/2012	2334/DEL/2012	IN			11-Jan-13 27-Jul-12	Virtual Distribution Lists
									Apparatuses, Methods, and Computer Programs for Base Station Transceivers
810956	810956-BR-PCT		112015000788-0		BR			5-Jul-13	Apparatuses, Methods, and Computer Programs for
810956	810956-CN-PCT		2013800377919	CN104472004A	CN			5-Jul-13	Base Station Transceivers
									Apparatuses, Methods, and Computer Programs for Base Station Transceivers
810956	810956-IN-PCT		224/CHENP/2015		IN			5-Jul-13	Apparatuses, Methods, and Computer Programs for
810956	810956-JP-PCT		2015522034	2015529042	JP			5-Jul-13	Base Station Transceivers
									Apparatuses, Methods, and Computer Programs for Base Station Transceivers
810956	810956-KR-PCT		10-2015-7000804		KR			5-Jul-13	Apparatuses, Methods, and Computer Programs for
810956	810956-TW-NP		102122368		TW			24-Jun-13	Base Station Transceivers
									Apparatuses, Methods, and Computer Programs for Base Station Transceivers
810956	810956-US-PCT		14/414854	20150173100	US			5-Jul-13	Method And Apparatus For Defferred Scheduling For
811143	811143-CN-PCT		201280070890.2	CN104185795A	CN			25-Oct-12	JTAG Systems
									Method And Apparatus For Defferred Scheduling For JTAG Systems
811143	811143-JP-PCT		2014550289	2015507743	JP			25-Oct-12	
									Network Node And Method In A Node Operable In A
011166	911166 ID POT		2015544056	2016501463	15			E N 40	Virtual Chassis System Where In It Is Determined Whether To Issue A Warning That An Administrative
811166	811166-JP-PCT		2015541869	2016501463	JP			6-Nov-13	Action Triggers A Virtual Chassis Split Wireless Communication Systems, Replay Systems
811186	811186-KR-PCT		20147018990		KR			7-Jan-13	And Methods Of Relaying Data Wireless Communication Systems, Replay Systems
811186	811186-TW-NP		102100421		TW			7-Jan-13	And Methods Of Relaying Data
811227	811227-CN-PCT		201380039347.0	CN104509005A	CN			23-Jul-13	Frequency Equalization For An Optical Transmitter

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811227     811227-EP-EPT     13747906.9     EP2878087     EP       811227     811227-JP-PCT     2015524371     JP       811227     811227-KR-PCT     20157001883     KR       811259     811259-KR-PCT     20147023901     20140127284     KR	23-Jul-13 23-Jul-13 23-Jul-13	Frequency Equalization For An Optical Transmitter
811227 811227-KR-PCT 20157001883 KR		Formation For the Ordinal Transmitter
	23-Jul-13	Frequency Equalization For An Optical Transmitter
811259 811259-KR-PCT 20147023901 20140127784 KP		Frequency Equalization For An Optical Transmitter
811259 811259-KR-PCT 20147023901 20140127284 KR		Support Of Mobile-Terminated Service Delivery Over
EVATORISM EVATORISM PARTY IN THE PROPERTY IN T	25-Jan-13	A Multi-Rat And/Or Multi-Domain Mobile Network
811259 811259-TW-NP 102102908 TW	35 Jan 13	Support Of Mobile-Terminated Service Delivery Over
	25-Jan-13	A Multi-Rat And/Or Multi-Domain Mobile Network  Device And Method For Transmitting Samples Of A
811288 811288-JP-PCT 2015-518930 2015-529028 JP	23-May-13	Digital Baseband Signal A Proactive, Location-Based Trigger For Handover
811318 811318-US-NP 13/633287 20140094178 US	2-Oct-12	And Redirection Procedures
PCT/EP2013/07333		Method And Apparatus For Providing Green Recommendations Of Digital Contents
811405 811405-WO-PCT 2 2014079699 WO	8-Nov-13	Method for Providing Automatic Repeat Request
811414 811414-CN-PCT 2013800466448 CN104604174A CN	2 5 12	Error Control and Related Terminal and Arq Control
811414 811414-CN-PCT 2013800466448 CN104604174A CN	3-Sep-13	Center Method for Providing Automatic Repeat Request
811414 811414-KR-PCT 20157005918 20150042814 KR	3-Sep-13	Error Control and Related Terminal and Arq Control Center
		Method for Providing Automatic Repeat Request Error Control and Related Terminal and Arq Control
811414         811414-US-PCT         14/421990         20150222393         US           811577         811577-TW-NP         102116099         201351944         TW	3-Sep-13 6-May-13	Center Signaling Concept For Multi-User Detection
	,	Protected Broadcast In A Warning Message Delivery Chain
811616 811616-CN-PCT 2013800378517 CN104488296A CN	10-Jun-13	
		Protected Broadcast In A Warning Message Delivery Chain
811616 811616-IN-PCT 897/CHENP/2015 IN	10-Jun-13	Protected Broadcast In A Warning Message Delivery
811616 811616-KR-PCT 20157001210 20150023029 KR	10-Jun-13	Chain
		Protected Broadcast In A Warning Message Delivery Chain
811616 811616-US-PCT 14/415317 20150140945 US	10-Jun-13	
811708 811708-CN-PCT 2013800465939 CN104604185A CN	15-Aug-13	Connectivity Checking Of A Bidirectional Circular Path In A Communication Network
		Signalling Method To Implement SMS-Only
811748 811748-CN-PCT 201380018980.1 CN104335613A CN	1-Apr-13	Functionality For PS-Only Devices In 2G/3G Network
811748 811748-JP-PCT 2015504653 2015518321 JP	1-Apr-13	Signalling Method To Implement SMS-Only Functionality For PS-Only Devices In 2G/3G Network
		Signalling Method To Implement SMS-Only
811748 811748-KR-PCT 20147027587 KR	1-Apr-13	Functionality For PS-Only Devices In 2G/3G Network
811748 811748-US-NP 13/780549 20140241241 US	28-Feb-13	Method And Apparatus For Supporting Short Message Services For Packet Switched Devices
		A method, a server and a pointing device for enhancing presentations
811855 811855-CN-PCT 201380041141.1 CN104520804A CN	31-Jul-13	A method, a server and a pointing device for
11274/DELNP/201   11274/DELNP/201   811855   8	31-Jul-13	enhancing presentations
		A method, a server and a pointing device for enhancing presentations
811855 811855-JP-PCT 2015524774 2015527659 JP	31-Jul-13	
		A method, a server and a pointing device for enhancing presentations
811855 811855-KR-PCT 1020157002774 20150037972 KR	31-Jul-13	A method, a server and a pointing device for
811855 811855-US-PCT 14/417357 20150185870 US	31-Jul-13	enhancing presentations
811998 811998-CN-NP 201210324112.3 CN103686927A CN	4-Sep-12	CDMA 1X Accurate Distance Based Call Access Control
812017 812017-US-NP 13/730270 20140186033 US	28-Dec-12	Secure Data Transmission via Spatially Multiplexed Optical Signals
812024 812024-CN-NP 201210365803.8 CN103702306A CN	27-Sep-12	Failure Handling And Recovery Solution For Diameter- Based LTE And IMS Online Charging
012024 012024-01411 201210303003.0 C4103702300A C4	27-30,5-12	WiFi AP Selection Framework In Heterogeneous
812029 812029-BR-PCT 112015000934.4 BR	3-Jul-13	Networks (HetNet)
		Method And Apparatus For Resource Allocation For
812076 812076-KR-PCT 20147033538 20150013641 KR	30-May-13	Device-To-Device Communication Electronics Cooling Through Use Of A Novel Low
812119 812119-TW-NP 103116998 TW PCT/EP2014/05905	14-May-14	Profile Heat Sink Design Electronics Cooling Through Use Of A Novel Low
812119 812119-WO-PCT 1 2014206613 WO	5-May-14	Profile Heat Sink Design
613174 013174 ND DOT	40 11 4	Privacy-Enabling Module For Web Applications
812171 812171-KR-PCT 20157013218 20150077459 KR	13-Nov-13	Systems And Methods For Preserving Privacy For
812171 812171-US-NP 13/683069 20140143882 US	21-Nov-12	Web Applications Setting The Power Of A Plurality Of Optical Signals In
PCT/EP2015/05747 812218 812218-WO-PCT 6 2015155168 WO	7-Apr-15	An Optical Network
PCT/EP2014/05593		Method of receiving a phase-modulated polarization
812246 812246-WO-PCT 4 2014154674 WO 812249 812249-EP-EPT 13740094.1 EP2868019 EP	25-Mar-14 25-Jun-13	division multiplexed optical signal Reprogrammable Optical Networks
10746/DELNP/201		
812249         812249-IN-PCT         10746/DELNP/2014         4         IN           812249         812249-IP-PCT         2015520377         2015526966         JP	25-Jun-13 25-Jun-13	Reprogrammable Optical Networks Reprogrammable Optical Networks

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FAMILY	Case Reference	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION DATE	TITLE
812249	812249-KR-PCT		20147036945		KR			25-Jun-13	Reprogrammable Optical Networks Reconfigurable Optical Networks
812249	812249-US-NP		13/800634	20140003810	US			13-Mar-13	
812361	812361-EP-EPA		12360056.1	EP2693653	EP			3-Aug-12	Coordinated Multi Point Transmission Modes  Distance-Based Automatic Gain Control And
			PCT/US2013/06593						Proximity-Effect Compensation
812458	812458-EP-EPT		8		EP			21-Oct-13	Distance-Based Automatic Gain Control And
									Proximity-Effect Compensation
812458	812458-JP-PCT		2015-539689		JP			21-Oct-13	Distance-Based Automatic Gain Control And
040450	040450 WD DOT		PCT/US2013/06593		LED.			24.0 . 42	Proximity-Effect Compensation
812458	812458-KR-PCT		8		KR			21-Oct-13	Distance-Based Automatic Gain Control And
017450	912459 HE ND		13/659602	20140112483	US			24-Oct-12	Proximity-Effect Compensation
812458	812458-US-NP		13/639602	20140112483	0.5			24-011-12	Capability-Based Communications
812502	812502-US-NP		13/726768	20140181224	US			26-Dec-12	Mobility Robustness Optimization Based On
812517	812517-KR-PCT		20157007526	20150052112	KR			13-Sep-13	Reference Signal Strength Maps
812521	812521-US-NP		13/729498 PCT/CA2013/05092	20140189774	US			28-Dec-12	Devices And Methods For Multicast
812557	812557-WO-PCT		7	2014089695	wo			3-Dec-13	Design And Analysis Of Doherty Amplifiers
812815	812815-CN-PCT		2013800508027	CN104685929A	CN			30-Aug-13	User Plane Handover For Heterogeneous Networks
812815	812815-JP-PCT		2015533506	2015530840	JP			30-Aug-13	User Plane Handover For Heterogeneous Networks
812815	812815-KR-PCT		20157007931	20150052145	KR			30-Aug-13	User Plane Handover For Heterogeneous Networks
812815	812815-US-PCT		14/431559	20150282024	US			30-Aug-13	User Plane Handover For Heterogeneous Networks
									Methods For Allocating Wireless Resources In
812851	812851-EP-EPT		13774875.2	EP2901787	EP			25-Sep-13	Wireless Network
			PCT/EP2015/05416						Integrated Multi-core amplifier allowing packet-
812988	812988-WO-PCT		5	2015128476	wo			27-Feb-15	switched operation
			PCT/EP2014/05890						SIGNAL MODULATION BY PULSE TRAIN SEGMENTS
812995	812995-WO-PCT		8	2015165538	wo			30-Apr-14	FOR RADIOFREQUENCY COMMUNICATIONS
813124	813124-IN-NP		978/CHE/2013 PCT/IB2014/00211		IN			7-Mar-13	Multiple Tariff Switches Management  Controlling The Separated Charging Of A Later
813263	813263-WO-PCT		3	201505607 <del>9</del>	wo			12-Sep-14	Forwarded Call Of A Roaming Subscriber
813314	813314-WO-PCT		PCT/EP2014/05914 9	2014206615	wo			6-May-14	Method For Operating A Base Station In A Heterogeneous Radio Access Network And Base Station Thereof And Method For Operating A Mobile Station In A Heterogeneous Radio Access Network And Mobile Station Thereof
813615	813615-WO-PCT		PCT/IB2015/00094 5	2015177632	wo			9-Apr-15	X-Maps With Flexible Tiles
									Arrangement And Method For Radio Frequency
813804	813804-EP-EPA		13306213.3	EP2846460	EP			5-Sep-13	Power Amplification  Arrangement And Method For Radio Frequency
			PCT/EP2014/05983						Power Amplification
813804	813804-WO-PCT		9	2015032513	WO			14-May-14	Dispersion Management For Inhomogeneous Fiber-
			PCT/US2014/05598						Optic Links
814098	814098-WO-PCT		2	2015042090	wo			17-Sep-14	
			PCT/US2014/03598						Jointly Scheduling For Co-Channel Dual Connectivity
814162	814162-WO-PCT		PCT/EP2014/05654	2014186124	wo			30-Apr-14	With Non-Idle Backhaul In HetNet
814214	814214-WO-PCT 814368-TW-NP		0	2014187601	WO			1-Apr-14	Device to Device Communication
814368	814368-1W-NP		103139821 PCT/US2014/06397	201533472	TW			17-Nov-14	Hybrid Wavelength Selective Switch
814368	814368-WO-PCT		5 PCT/EP2014/07506	2015077013	WO			5-Nov-14	Hybrid Wavelength Selective Switch  Method Of Raising A Loss Of Frame Alarm In An
814382	814382-WO-PCT		8	2015086279	wo			20-Nov-14	Optical Transmission Network
814467	814467-WO-PCT		PCT/EP2014/06767	2015028357	wo			19-Aug-14	Channel Resource Allocation For Device-To-Device Communication
			PCT/CA2014/05122						
814520	814520-WO-PCT	-	2 PCT/EP2014/00200	2015100489	WO			17-Dec-14	System And Method For Amplifier Design  Communication Techniques
814758	814758-WO-PCT		0	2015018498	wo			21-Jul-14	
814807	814807-WO-PCT		PCT/US2014/06022 4	2015057543	wo			13-Oct-14	Method And Apparatus For Providing Allocating Resources
			PCT/US2014/05026						
814880	814880-WO-PCT	<u> </u>	3	2015021345	wo		<del> </del>	8-Aug-14	Two-Stage D2D Discovery Procedures  Localization Activity Classification Systems And
814997	814997-US-NP		14/152209	20150198443	US		1	10-Jan-14	Methods
			PCT/EP2015/05740						Process for guiding in a building a user connected
815215	815215-WO-PCT		4	2015165690	wo			2-Apr-15	through at least one mobile terminal to a network
									Providing A Coverage Enhanced Mode Of Operation Within A Wireless Network
815429	815429-TW-NP		103126571		TW			4-Aug-14	Denviding & Courses of Enhanced Made Of Co.
			PCT/EP2014/00198						Providing A Coverage Enhanced Mode Of Operation Within A Wireless Network
815429	815429-WO-PCT	-	4	2015018482	WO		-	21-Jul-14	-
									Prioritising Requests For Communication Resources
815553	815553-EP-EPA	EP2903364	14305123.3	EP2903364	EP	3-May-17	30-Jan-34	30-Jan-14	For Device To Device Wireless Communication
									Systems And Methods For Localizing Audio Streams
816681	816681-US-NP	-	14/502058	20160094914	US			30-Sep-14	Via Acoustic Large Scale Speaker Arrays
									Systems And Methods For Localizing Audio Streams
816681	816681-WO-PCT		PCT/US2015/05255	2016053826	wo			28-Sep-15	Via Acoustic Large Scale Speaker Arrays
010001	1525552 140-161		1-	1202000000			1	20-JCP*1J	1

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FAMILY	Case Reference	GRANT NUMBER	application Number	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION DATE	APPLICATION DATE	11.172
816780	816780-WO-PCT		PCT/EP2015/07771 3	2016087291	wo			26-Nov-15	Input Module And Central Control Unit For A Switching System And Switching System Thereof
817379	817379-IN-NP		3808/DEL/2014		IN			19-Dec-14	Determining Dynamic User Attributes Using Dynamic Host Configuration Protocol
804144(13)	804144(13)-US-NP		12/276286	20090132685	US			21-Nov-08	System and Method for Provisioning and Unprovisioning Multiple End Points With Respect to a Subscriber and Service Management System Employing the Same
804144(14)	804144(14)-US-NP		12/276287	20090132317	US			21-Nov-08	System and Method for Identifying Functions and Data With Respect to a Service and a Subscriber and Service Management System Employing the Same System and Method for Invoking a Function of a
804144(15)	804144(15)-US-NP		12/276288	20090128319	US			21-Nov-08	Service in Response to an Event and Service  Management System Employing the Same  System And Method For Identifying And Calling A
804144(2)	804144(2)-EP-EPT		08851247.0	EP2215775	EP			21-Nov-08	Function Of A Service With Respect To A Subuscriber And Service Management System Employing The Same
Ashikhmin 23 (A)	Ashikhmin 23 (A)-BR-PCT		PI0918469.4	PI0918469	BR			14-Sep-09	Methods For Precoding Signals For Transmission In Wireless MIMO System
Bachi 8-28-24-12 (RW)	Bachl 8-28-24-12 (RW)-IN-PCT		823/CHENP/2008		IN			16-Aug-06	Method For Reducing Discarded Slots And Frames In A Wireless Communications System
Balachandran 57-19-4-59 (K)	Balachandran 57-19-4-59 (K)-BR- PCT		PI0919213-1	PI0919213-1	BR			3-Sep-09	An Architecture To Support Network-Wide Multiple- In-Multiple-Out Wireless Communication Over An Uplink
Balachandran 57-19-4-59 (K)	Balachandran 57-19-4-59 (K)-IN- PCT		1765/CHENP/2011	1765/CHENP/2011	IN			3-Sep-09	An Architecture To Support Network-Wide Multiple- In-Multiple-Out Wireless Communication Over An Uplink
Balachandran 57-19-4-59 (K)	Balachandran 57-19-4-59 (K)-US- NP		12/233150	20100067435	US			18-Sep-08	An Architecture To Support Network-Wide Multiple- In-Multiple-Out Wireless Communication Over An Uplink
Baryshnikov 3-3-2-4 (Y)	Baryshnikov 3-3-2-4 (Y)-JP-PCD		2013236872	201453038	JP			5-Aug-08	Meeting Optimizer
Baryshnikov 3-3-2-4 (Y)	Baryshnikov 3-3-2-4 (Y)-JP-PCT		2010522895	2010537342	JP			5-Aug-08	Meeting Optimizer
Baryshnikov 3-3-2-4 (Y)	Baryshnikov 3-3-2-4 (Y)-US-NP		11/895477	20090055238	US			24-Aug-07	Meeting Optimizer
Benedikt 13-1-2 (MA)	Benedikt 13-1-2 (MA)-US-NP		11/863888	20090089268	US			28-Sep-07	XML Update Facility For An XQuery Processor
Bi 54-10 (Q)	Bi 54-10 (Q)-IN-PCT		5265/CHENP/2008	5265/CHENP/2008	IN			30-Mar-07	Method Of Providing Pilot Signals For Uplink Power Control
Bi 54-10 (Q)	Bi 54-10 (Q)-US-NP		11/399121	20070237068	us			6-Apr-06	Method Of Providing Pilot Signals For Uplink Power Control
Bi 57-36-4 (Q)	Bi 57-36-4 (Q)-IN-PCT		7052/CHENP/2008	7052/CHENP/2008	IN			22-Jun-07	A Method Of Controlling Mobile Unit Response Messages On An Access Channel
Boccardi 1-18-1 (F)	Boccardi 1-18-1 (F)-CN-PCD		201510849467.8	CN105245264A	CN			18-Apr-08	Method And Apparatus For Transmitting Information Simultaneously To Multiple Destinations Over Shared Wireless Resources
Boccardi 1-18-1 (F)	Boccardi 1-18-1 (F)-CN-PCT		200880012919.5	101689902	CN			18-Apr-08	Method And Apparatus For Transmitting Information Simultaneously To Multiple Destinations Over Shared Wireless Resources
Boccardi 1-18-1 (F)	Boccardi 1-18-1 (F)-US-NP		11/790045	20080260051	US			23-Apr-07	Method And Apparatus For Transmitting Information Simultaneously To Multiple Destinations Over Shared Wireless Resources
Bolle 34-31 (CA)[2]	Bolle 34-31 (CA)[2]-US-DIV		14/325514	20140322918	US			8-Jul-14	Micro-Posts Having Improved Uniformity And A Method Of Manufacture Thereof
Bosch 31-13-11 (P)	Bosch 31-13-11 (P)-US-CNT		13/793174	20130188651	US			11-Mar-13	Mobility In IP Without Mobile IP
Buddhikot 19-5-19-5-3	Buddhikot 19-5-19-5-3 (MM)-US-								
(MM)	NP		12/132933	20090305665	US			4-Jun-08	Method Of Identifying A Transmitting Device  Implementing Rating Timer Control In A Pre-Biller To
Cai 110-11 (Y)	Cai 110-11 (Y)-CN-NP		200710091483.0	CN101277203A	CN			30-Mar-07	Support On-line And Off-line Charging Charging In IMS Networks For Sessions That Are
Cai 124-2-5-5 (Y)	Cai 124-2-5-5 (Y)-US-PCT		12/808108	20100287079	US			18-Dec-07	Transferred Between Access Networks Online Charging For Supplement Services In IMS
Cai 131-15 (Y)	Cai 131-15 (Y)-CN-PCT		200880127530.5	101960778	CN			26-Feb-08	Networks Online Charging For Supplement Services In IMS
Cai 131-15 (Y)	Cai 131-15 (Y)-US-PCT		12/865998	20110003579	US			3-Aug-10	Networks
Cai 59-2-1-1 (Y)	Cai 59-2-1-1 (Y)-IN-PCT		5028/CHENP/2008	5028/CHENP/2008	IN			23-Mar-07	A Method And Apparatus For Implementing SMS Spam Filtering
	Cai 77-9-2-1 (Y)-IN-PCT		11/CHENP/2009	11/CHENP/2009	IN			28-Jun-07	Media Security For IMS Sessions
Cai 77-9-2-1 (Y) Casati 29-3 (A)	Cai 77-9-2-1 (Y)-US-NP Casati 29-3 (A)-US-PCT		11/563508 13/143252	20080010688 20120023178	US US			27-Nov-06 31-Dec-09	Media Security For IMS Sessions  Message Transmission
Chakraborty 11 (TJ)	Chakraborty 11 (TJ)-CN-PCT		200780038643.3	101529389	CN			1-Oct-07	Method And Apparatus For Injecting Transient Hardware Faults For Software Testing Network-Based Methods And Systems For
Chandranmenon 10-12-23- 24 (GP)	Chandranmenon 10-12-23-24 (GP)-CN-PCT		200880006565.3	101622853	CN			11-Feb-08	Responding To Customer Requests Based On Provider Presence Information Network-Based Methods And Systems For
Chandranmenon 10-12-23- 24 (GP)	Chandranmenon 10-12-23-24 (GP)-JP-PCD		2015134867	20166653	JP			11-Feb-08	Responding To Customer Requests Based On Provider Presence Information
24 (GP)	Chandranmenon 10-12-23-24 (GP)-US-NP		11/712516	20080212763	US			1-Mar-07	Network-Based Methods And Systems For Responding To Customer Requests Based On Provider Presence Information
Chandranmenon 9-8-20 (GP)	Chandranmenon 9-8-20 (GP)-EP- EPT Chandranmenon 9-8-20 (GP)-IN-		07796182.9	EP2036312	EP			14-Jun-07	Methods, Devices And Architectures For Establishing Peer-To-Peer Sessions Methods, Devices And Architectures For Establishing
Chandranmenon 9-8-20 (GP)	Chandranmenon 9-8-20 (GP)-IN- PCT		6747/CHENP/2008	6747/CHENP/2008	IN			14-Jun-07	Methods, Devices And Architectures For Establishing Peer-To-Peer Sessions  Self-Calibrating Integrated Photonic Circuits And
Chen 60-18-12 (Y)	Chen 60-18-12 (Y)-EP-EPT		09721578.4	EP2266171	EP			17-Mar-09	Method Of Control Thereof Method For Supporting Per-Connection Queuing For
Choudhury 5-3-1-2 (AK)	Choudhury 5-3-1-2 (AK)-JP-DIV		2005135986	2005295581	JP			9-Feb-98	Feedback-Controlled Traffic Self-Steering Directional LoudSpeakers And A Method
Chow 1-20 (S)	Chow 1-20 (S)-JP-PCD		2014168990	20155993	JP			15-Oct-10	Of Operation Thereof Self-Steering Directional LoudSpeakers And A Method
Chow 1-20 (S)	Chow 1-20 (S)-US-NP		12/607919	20110096941	US			28-Oct-09	Of Operation Thereof

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FAMILY	CASE REFERENCE	GRANT NUMBER	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPIRATION	APPLICATION	TITLE
									Method And Architecture For Service Location In
Chu 19-43 (TP)	Chu 19-43 (TP)-IN-PCT		5001/CHENP/2012	5001/CHENP/2012	IN			1-Dec-10	Chord Networks A Femtocell Base Station, And A Method Of Radio Communication In a Network Comprising A Femtocell
Claussen 39-7 (H)	Claussen 39-7 (H)-CN-NP		200910222736.2		CN			17-Nov-09	Base Station A Femtocell Base Station, And A Method Of Radio
Claussen 39-7 (H)	Claussen 39-7 (H)-EP-EPA		08291103.3	EP2190236	EP			21-Nov-08	Communication In a Network Comprising A Femtocell Base Station
De Lind Van Wijngaarden 30- 3 (AJ)	De Lind Van Wijngaarden 30-3 (AJ)-IN-PCT		4189/CHENP/2012		IN			4-Nov-10	Method And Apparatus For Error Detection In A Communication System
De Lind Van Wijngaarden 30- 3 (AJ)	De Lind Van Wijngaarden 30-3 (AJ)-MY-PCT		PI2012001810	PI2012001810	MY			4-Nov-10	Method And Apparatus For Error Detection In A Communication System
Doumi 1-3-4 (T)	Doumi 1-3-4 (T)-US-NP		11/611903	20080146189	US			18-Dec-06	Controlling Wireless Communications On Behalf Of Public Service Agencies
Earnshaw 3 (MP)	Earnshaw 3 (MP)-JP-PCT		2009548279	2010517113	JP			29-Jan-08	Thermo-Optic Waveguide Apparatus
Esh 1-18-34-14 (TD)	Esh 1-18-34-14 (TD)-US-NP		11/150458	20060291629	US			10-Jun-05	Systems And Methods For Providing Location Enabled Voice Mail Methods Of Channel Coding For Communication
Farag 5 (EN)	Farag 5 (EN)-IN-PCT		512/CHENP/2008	512/CHENP/2008	IN			21-Jul-06	Systems
Ghanadan 3-2-14 (R)	Ghanadan 3-2-14 (R)-BR-NP		PI0005432-1	PI0005432-1	BR			17-Nov-00	System And Method For Producing Amplified Signal(s) Or Version(s) Thereof
Gillis 3 (PW)	Gillis 3 (PW)-IN-NP		846/MAS/99		IN			24-Aug-99	Method And Apparatus For Amplifying Design Information Into Software Products
Goldman 39-20-20-28 (SO)	Goldman 39-20-20-28 (SO)-IN- PCT		6710/CHENP/2008	6710/CHENP/2008	IN			11-Jun-07	AutoDialer Flow Control
Goldman 75-49 (SO)	Goldman 75-49 (SO)-CN-PCT		201080043831.7	CN102577340A	CN			22-Sep-10	Method and Apparatus For Providing User Status Information When In A Telephone Conference
Goldman 75-49 (SO)	Goldman 75-49 (SO)-IN-PCT		2386/CHENP/2012	2386/CHENP/2012	IN			22-Sep-10	Method and Apparatus For Providing User Status Information When In A Telephone Conference
Goldman 75-49 (SO)	Goldman 75-49 (SO)-JP-PCT		2012532190	2013507050	JP			22-Sep-10	Method and Apparatus For Providing User Status Information When In A Telephone Conference
25.40.600	0 II				110				Method and Apparatus For Providing User Status Information When In A Telephone Conference
Goldman 75-49 (SO)	Goldman 75-49 (SO)-KR-PCT		20127010722		KR			22-Sep-10	Method And Apparatus For System Testing Using
Goyal 19-7-15 (S)	Goyal 19-7-15 (S)-KR-PCD		20137021681		KR			3-Mar-10	Multiple Instruction  Method And Apparatus For System Testing Using Multipe Instruction Types
Goyal 19-7-15 (S)[2]	Goyal 19-7-15 (S)[2]-JP-PCD		2013243882	201467436	JP			3-Mar-10	
Goyal 19-7-15 (S)[3]	Goyal 19-7-15 (S)[3]-IN-PCT		6387/CHENP/2011	6387/CHENP/2011	IN			3-Mar-10	Method And Apparatus For System Testing Using Multipe Instruction Types
Goyal 19-7-15 (S)[3]	Goyal 19-7-15 (S)[3]-KR-PCT		20117020512	20110122165	KR			3-Mar-10	Method And Apparatus For System Testing Using Multipe Instruction Types
Goyal 19-7-15 (S)[3]	Goyal 19-7-15 (S)-US-NP[3]		12/495336	20100229058	US			30-Jun-09	Method And Apparatus For System Testing Using Scan Chain Decomposition Methods And Apparatus For Overriding
Grosse 18-19 (EH)	Grosse 18-19 (EH)-EP-EPT		07874085.9	EP2105004	EP			23-Oct-07	Denunciations Of Unwanted Traffic In One Or More Packet Networks
Hahm 5 (MD)	Hahm 5 (MD)-EP-EPA		00301571.6	EP1035480	EP			28-Feb-00	Hardware Efficient Fast Hadamard Transform Engine
Hernon 3-26-6-45-7 (D)	Hernon 3-26-6-45-7 (D)-CN-PCD		201310298647.2	CN103402341A	CN			29-Jun-09	Monolithic Structurally Complex Heat Sink Designs
Hernon 3-26-6-45-7 (D)	Hernon 3-26-6-45-7 (D)-EP-EPT		09794777.4	EP2311085	EP			29-Jun-09	Monolithic Structurally Complex Heat Sink Designs
Hernon 3-26-6-45-7 (D)	Hernon 3-26-6-45-7 (D)-JP-PCD		2013263771	201464035	JP			29-Jun-09	Monolithic Structurally Complex Heat Sink Designs
Hernon 3-26-6-45-7 (D)	Hernon 3-26-6-45-7 (D)-KR-PCD		20137016666		KR			29-Jun-09	Monolithic Structurally Complex Heat Sink Designs
Hernon 3-26-6-45-7 (D) Hilt 6-12 (V)	Hernon 3-26-6-45-7 (D)-US-CNT Hilt 6-12 (V)-CN-PCT		13/941314 200780011725.9	20130299148 101416453	US CN			12-Jul-13 30-Mar-07	Monolithic Structurally Complex Heat Sink Designs Network Load Balancing And Overload Control
Hilt 6-12 (V)	Hilt 6-12 (V)-IN-PCT		5048/CHENP/2008	101110100	IN			30-Mar-07	Network Load Balancing And Overload Control
Hodes 21-37-9 (MS)	Hodes 21-37-9 (MS)-KR-PCT		20107006996		KR			22-Sep-08	Recirculating Gas Rack Cooling Architecture
Hodes 28 (MS) Hodes 28 (MS)	Hodes 28 (MS)-KR-PCD Hodes 28 (MS)-KR-PCT		20137029226 20117003287	20110053426	KR KR			29-Jun-09 29-Jun-09	Stackable Thermoelectric Modules Stackable Thermoelectric Modules
Hodes 28 (MS)	Hodes 28 (MS)-US-NP		12/172396	20100006132	US			29-Jun-09 14-Jul-08	Stackable Thermoelectric Modules
Hoekstra 8-6 (GJ)	Hoekstra 8-6 (GJ)-IN-PCT		629/CHENP/2009	629/CHENP/2009	IN			26-Jul-07	Method Of Predicting Transmission Speed Adaptations
Hoekstra 8-6 (GJ)	Hoekstra 8-6 (GJ)-JP-PCT		2009523767	2010500813	JP			26-Jul-07	Method Of Predicting Transmission Speed Adaptations
Jiang 2-31-6 (H)	Jiang 2-31-6 (H)-IN-PCT		3127/CHENP/2011	3127/CHENP/2011	IN			4-Nov-09	Method And Apparatus For Fast Channel Change
Jiang 2-31-6 (H)	Jiang 2-31-6 (H)-JP-PCD		2013175565	2014039264	JP			27-Aug-13	Method And Apparatus For Fast Channel Change
Jiang 2-31-6 (H)	Jiang 2-31-6 (H)-US-CNT		14/791826	20150350722	US			6-Jul-15	Method And Apparatus For Fast Channel Change Method For Providing Green Service To A
Jones 3-1 (DA)	Jones 3-1 (DA)-IN-PCT		8234/CHENP/2010	8234/CHENP/2010	IN			8-Jun-09	Communication Unit Method And Apparatus For Detecting And
Kalampoukas 3-1 (L)	Kalampoukas 3-1 (L)-IN-PCT		3682/CHENP/2010	3682/CHENP/2010	IN			17-Dec-08	Suppressing Echo In Packet Networks Method And Apparatus For Detecting And
Kalampoukas 3-1 (L)	Kalampoukas 3-1 (L)-US-NP		11/967338	20090168673	US			31-Dec-07	Suppressing Echo In Packet Networks
Kennedy 1 (IO)	Kennedy 1 (IO)-IN-PCT		2830/CHENP/2008	2830/CHENP/2008	IN			8-Dec-06	Dynamic Constant Folding Of A Circuit Method And System For Abstracting Electronic
Kermani 43 (BG)	Kermani 49 (BG)-US-CNT		12/277778	20090083621	US			25-Nov-08	Documents
Laroía 23-15-8 (R)	Laroia 23-15-8 (R)-BR-NP		PI0102383-7	1633	BR			13-Jun-01	Link-Level Support Of Wireless Data  Method Of Assigning Uplink Reference Signals, And
Lee 13 (JA)	Lee 13 (JA)-IN-PCT		5759/CHENP/2008	5759/CHENP/2008	IN			24-Apr-07	Transmitter And Receiver Thereof

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Exhibit A of AMENDED SCHEDULE B1 - Assigned Patents (ALU Only Assets) of PPA

FAMILY	Case Reference	GRANT	APPLICATION NUMBER	PUBLICATION NUMBER	COUNTRY	ISSUE DATE	EXPERATION DATE	APPLICATION	MATE
									Method Of Assigning Uplink Reference Signals, And
Lee 13 (JA)	Lee 13 (JA)-JP-PCT		2009509613	2009535984	JP			24-Apr-07	Transmitter And Receiver Thereof
Lyons 47-11 (AM)	Lyons 47-11 (AM)-IN-PCT		7799/CHENP/2010	7799/CHENP/2010	IN			27-May-09	Light-Weight Low-Thermal-Expansion Polymer Foam For Radiofrequency Filtering Apppications
Lyons 47-11 (AM)	Lyons 47-11 (AM)-JP-PCT		2011512454	2011523788	JP			27-May-09	Light-Weight Low-Thermal-Expansion Polymer Foam For Radiofrequency Filtering Apppications
Ma 23-25 (Z)	Ma 23-25 (Z)-IN-PCT		6105/CHENP/2008	6105/CHENP/2008	IN			4-May-07	Identification Of Base Stations
McCann 12-38-28 (PJ)	McCann 12-38-28 (PJ)-IN-PCT		6978/CHENP/2008	6978/CHENP/2008	IN			19-Jun-07	Method Of Creating Security Associations In Mobile IP Networks
Mitra 26-14-14-11 (D)	Mitra 26-14-14-11 (D)-IN-PCT		4056/CHENP/2008		IN			8-Feb-07	Intelligent Media Gateway Selection For Multimedia Communication Sessions
Nordgaard 2-5-10 (JK)	Nordgaard 2-5-10 (JK)-EP-EPA		00305229.7	EP1065897	EP			20-Jun-00	Wireless Data Communications Using Asymmetric Channel Allocation
Pardo 20 (F)	Pardo 20 (F)-CN-PCT		200780033389.8	101512702	CN			7-Sep-07	Micro-Actuator And Locking Switch
Pardo 20 (F)	Pardo 20 (F)-EP-EPT		07837880.9	EP2067159	EP			7-Sep-07	Micro-Actuator And Locking Switch
Pardo 20 (F)	Pardo 20 (F)-IN-PCT		1233/CHENP/2009		IN			7-Sep-07	Micro-Actuator And Locking Switch
Reichmanis 32-10 (E)	Reichmanis 38-21 (E)-US-CNT		11/316058	20060099536	US			21-Dec-05	Patterned Structures of High Refractive Index Materials
Riazi 1-16 (H)	Riazi 1-16 (H)-EP-EPA		00306264.3	EP1075142	EP			24-Jul-00	Methods And Apparatus For Providing A Direct Frequency Hopping Wireless Interface With A Personal Computer
Valluru 1 (S)	Valluru 1 (S)-CN-PCT		200880114078.9	101843156	CN			24-Oct-08	Method And Apparatus For Providing Call Admission Control For VOIP Over Wireless Local Area Networks Using A Transparent Proxy Agent
Varney 31 (DW)	Varney 31 (DW)-CN-PCT		201080029512.0	CN102484617A	CN			15-Jun-10	Method And System For Reducing The Number Of Presence Events Within A Network
Varney 31 (DW)	Varney 31 (DW)-EP-EPT		10730625.0	EP2449738	EP			15-Jun-10	Method And System For Reducing The Number Of Presence Events Within A Network
Varney 31 (DW)	Varney 31 (DW)-JP-PCD		2014243158		JP			15-Jun-10	Method And System For Reducing The Number Of Presence Events Within A Network
Varney 31 (DW)	Varney 31 (DW)-KR-PCT		20127002295		KR			15-Jun-10	Method And System For Reducing The Number Of Presence Events Within A Network
Varney 31 (DW)	Varney 31 (DW)-US-NP		12/495308	20100332597	US			30-Jun-09	Method And System For Reducing The Number Of Presence Events Within A Network
Wang 3 (Y)	Wang 3 (Y)-IN-PCT		3966/CHENP/2009		IN			4-Jan-08	Traffic Load Control In A Telecommunications Network

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